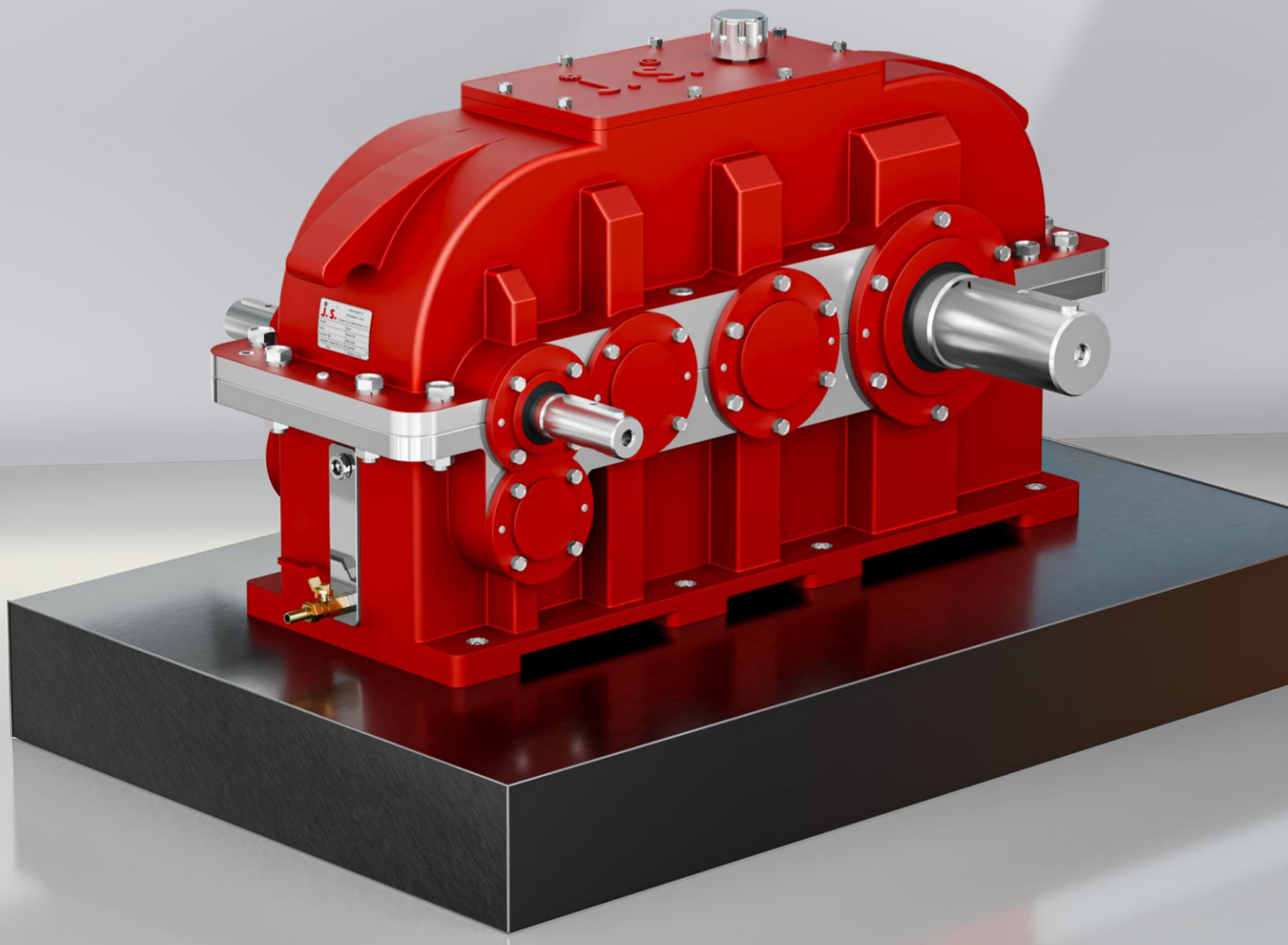
J.S. Gear

PRODUCT CATALOGUE
EDITION 2027

HC & HD SERIES

Crane Duty **Helical Gearboxes**

Cast Iron & Fabricated Housings



Your Specialist for Gearboxes

SINCE 1990 · AHMEDABAD, INDIA

WWW.JSGEARS.IN

ABOUT J.S. GEAR · INFRASTRUCTURE

Infrastructure & Capacity

Manufacturing campus · Bakrol-Bujrang, Ahmedabad, India

1990	65	38
ESTABLISHED	SKILLED PROFESSIONALS	MACHINES & EQUIPMENT

MANUFACTURING FACILITY

AHMEDABAD · GUJARAT · INDIA

TOTAL FACTORY AREA

5,000 square yards

Machining, gear cutting, grinding, assembly and testing under one roof

BAKROL-BUJRANG, AHMEDABAD

SUSTAINABILITY

SOLAR POWERED

75%

RENEWABLE ENERGY

Powered by the sun.

J.S. Gear has reached a milestone in sustainability by transitioning to solar power. With its own solar energy installation, the plant operates on 75% renewable energy — a firm commitment to environmental responsibility.

ABOUT J.S. GEAR · PLANT & MACHINERY

Factory Machinery

In-house machining, gear cutting, grinding and assembly

MACHINERY LIST

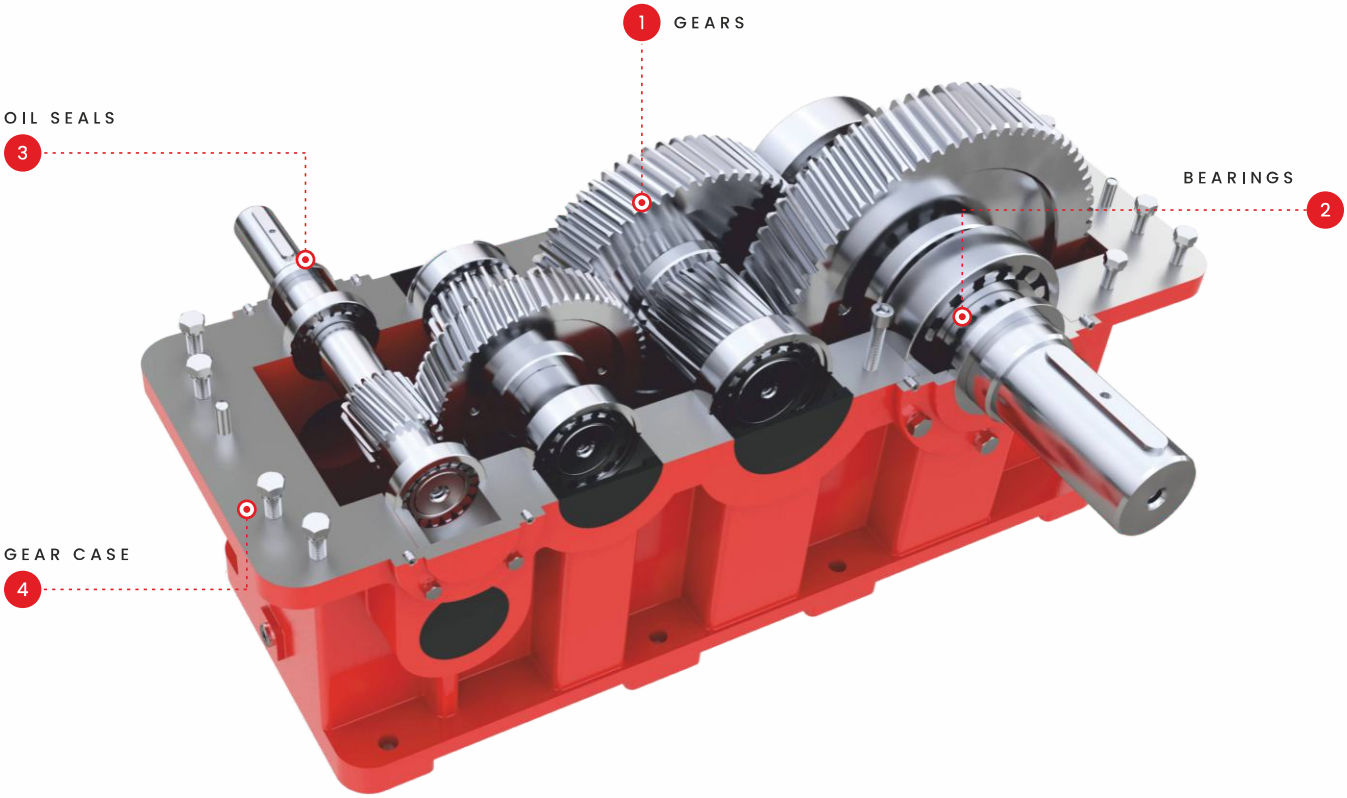
38 MACHINES & EQUIPMENT

PROCESS	MACHINE	CAPACITY	QTY
TURNING 4 units	CNC Turning	Ø 450 × 1050 mm	01
	CNC Turning	Ø 550 × 800 mm	01
	CNC Turning	Ø 350 × 700 mm	01
	CNC Turning	Ø 200 × 400 mm	01
MACHINING CENTRES 6 units	VMC	Working 1800 × 700	01
	VMC	Working 1050 × 450	01
	HMC	630 × 630	01
	HMC	500 × 500	01
	HMC	300 × 300	01
	Boring — DRO	Size 125	01
GEAR HOBBING 6 units	Hobbing	Ø 800 × 14 module	01
	Hobbing	Ø 630 × 10 module	01
	Hobbing	Ø 500 × 8 module	01
	Hobbing	Ø 280 × 5 module	03
GEAR GRINDING 2 units	CNC Gear Grinding	Ø 400 — profile	01
	CNC Gear Grinding	Ø 500 — profile	01
GENERAL MACHINING 8 units	Conventional Milling	—	01
	Conventional Lathe	—	04
	Broaching Machine	Internal keyway	01
	Slotting Machine	Stroke 400 mm	02
HANDLING & ASSEMBLY 12 units	EOT Crane	5 ton capacity	08
	Hydraulic Press	—	04

ENGINEERING · INSIDE THE GEARBOX

Internal Composition

What goes into every J.S. Gear crane duty gearbox



CONSTRUCTION

STANDARD SPECIFICATION

1 Gears

- High-grade alloy steel, case hardened to HRC 58–60
- Precision profile ground
- Accuracy DIN 6 / DIN 7

2 Bearings

- Roller bearings throughout

3 Oil Seals

- Double imported oil seals on input and output shafts

4 Gear Case

- Super-rigid housing in graded cast iron, machined on high-precision machines
- Fabricated steel housing available on request

ENGINEERING · QUALITY

Assembly & Testing

Every gearbox is assembled, test-run and checked before dispatch

HRC 58–60	DIN 6 / 7	< 85 dB	100%
GEAR HARDNESS	GEAR ACCURACY	NOISE LEVEL	BEARING TEMPERATURE TESTED

ASSEMBLY & TESTING

STANDARD PROCEDURE

01 Assembly
Gears and housings are assembled and test-run by skilled technicians after stringent quality checks.

02 Thermal check
Bearing temperature is 100% tested during the trial run of every gearbox.

03 Noise
Noise level is held below the standard limit of 85 dB.

RECOMMENDED LUBRICANT

FOR STANDARD OPERATING CONDITIONS

OIL TYPE	VISCOSITY GRADE	CHANGE INTERVAL
Mineral Oil	ISO VG 320 / 460	4,500 hours

Gearboxes are supplied without oil unless otherwise specified. Fill to the oil level indicator before commissioning.

HC SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

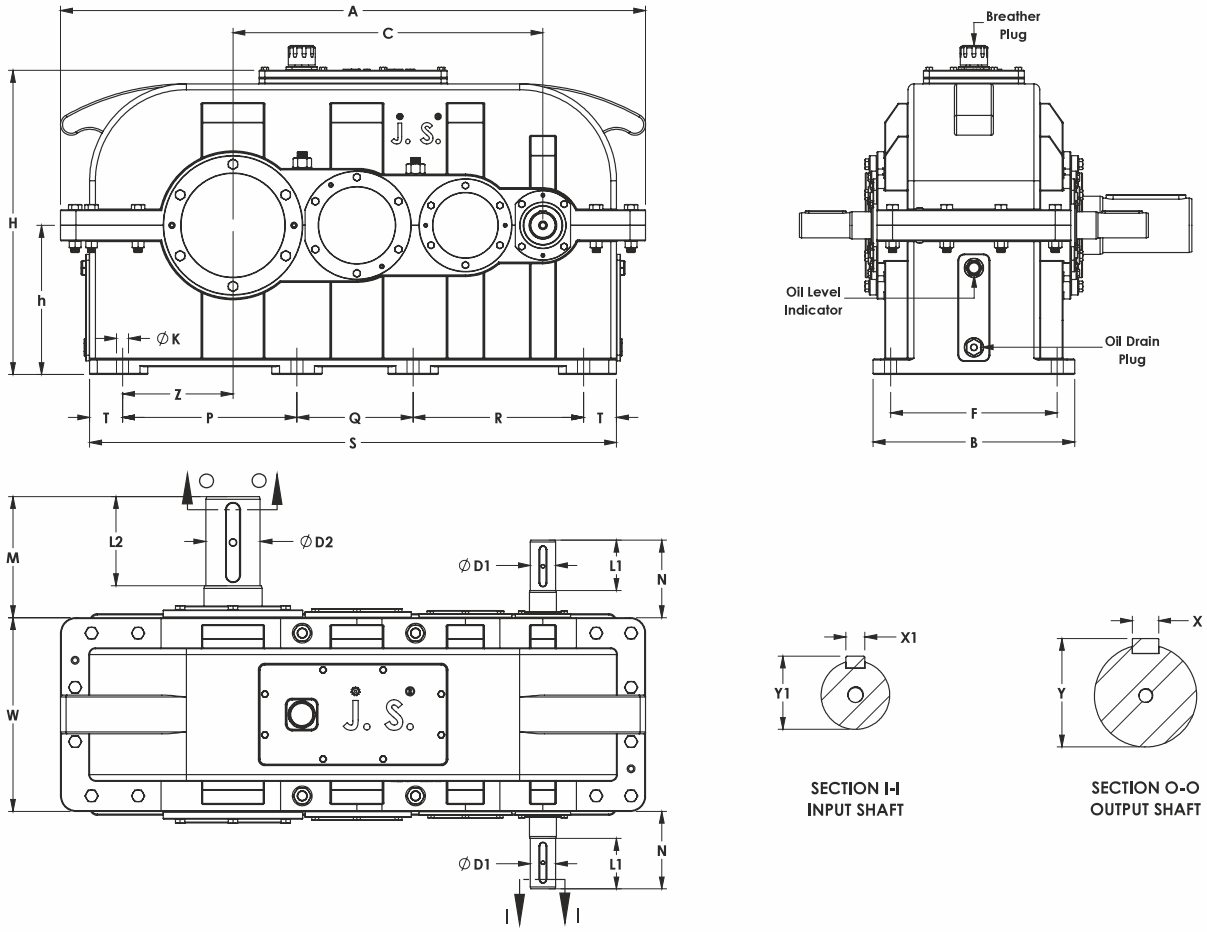
Horizontal foot mounted · Cast iron housing

CI BODY

MODEL RANGE
HC-250 – HC-1000

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HC SERIES · CI BODY

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HC-250	24	50	42	70	250	470	250	135	77.5	25	350	-	-	400	160	170	140	70	98	14	8	27.5	12	45.5	45	3.5
HC-300	28	60	48	80	300	530	269	133	90	30	152	113	145	470	180	190	160	78	106	14	8	31	14	52	74	5
HC-350	28	80	55	100	350	645	343	170	135	25	220	135	165	570	240	255	215	112	127	16	8	31.5	16	59.5	130	12
HC-425	38	80	70	105	425	760	410	210	147	35	230	380	-	680	270	300	250	128	135	21	10	41.5	20	74.5	230	20
HC-500	48	100	90	150	500	890	505	250	170	42.5	270	195	260	810	295	295	245	135	185	21	14	52	25	95.5	360	25
HC-550	45	120	95	170	550	1020	495	250	183	45	305	195	315	905	365	380	315	170	235	21	14	49	25	100.5	446	45
HC-650	50	120	105	200	650	1190	630	315	225	57.5	380	230	335	1060	395	400	340	153	260	26	14	54	28	111.5	795	70
HC-725	60	100	125	200	725	1330	690	350	255	50	410	280	400	1190	440	440	370	155	275	29	18	64.5	32	132.5	1000	85
HC-800	65	130	140	230	800	1510	785	385	285	85	450	300	440	1360	500	520	430	200	312	31	18	69.5	36	148.5	1350	115
HC-900	75	140	170	250	900	1675	840	415	315	90	505	330	480	1495	590	610	510	210	350	37	20	80	40	179.5	2000	180
HC-1000	80	150	200	300	1000	1810	880	430	315	85	525	380	535	1610	640	640	530	220	395	38	22	85.5	45	210.5	2600	200

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HC SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

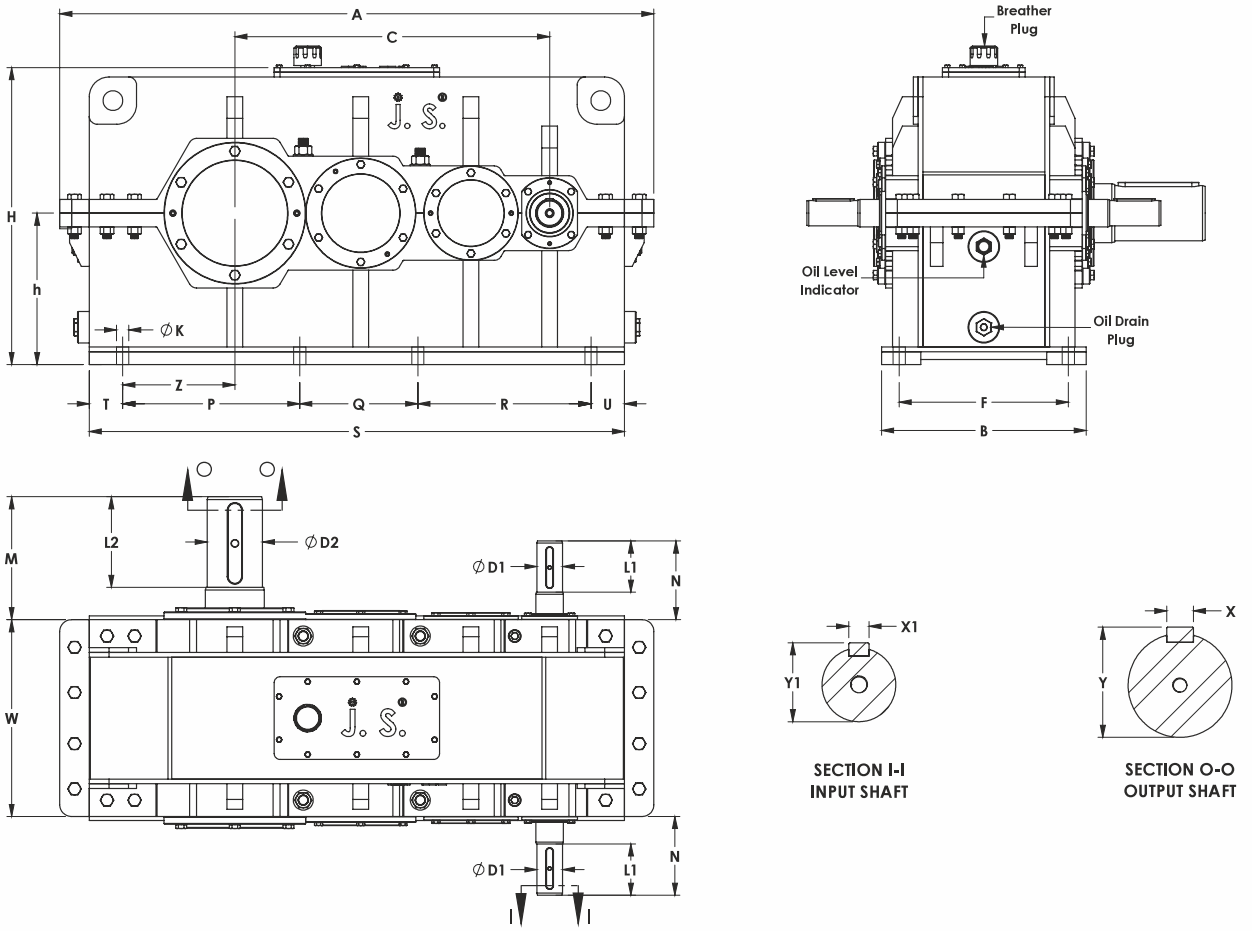
Horizontal foot mounted · Fabricated steel housing

FABRICATED

MODEL RANGE
HC-250 F — HC-1000 F

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HC SERIES · FABRICATED

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																				AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HC-250 F	24	50	42	70	250	465	250	135	77.5	25	350	–	–	25	400	160	180	140	70	98	14	8	27.5	12	45.5	45	3.5
HC-300 F	28	60	48	80	300	534	273	133	90	30	152	113	145	30	470	180	200	160	78	106	14	8	31	14	52	75	5
HC-350 F	28	80	55	100	350	650	340	170	135	25	220	135	165	25	570	240	255	215	112	127	16	8	31.5	16	59.5	140	12
HC-425 F	38	80	70	105	425	780	410	210	147	35	230	155	225	35	680	270	300	250	128	135	21	10	41.5	20	74.5	200	15
HC-500 F	48	100	90	150	500	910	490	250	170	42.5	270	195	260	42.5	810	295	295	245	135	185	21	14	52	25	95.5	360	25
HC-550 F	45	120	95	170	550	1025	495	250	183	45	305	195	315	45	905	365	380	315	170	235	21	14	49	25	100.5	560	45
HC-650 F	50	120	105	200	650	1160	630	315	225	57.5	380	230	335	57.5	1060	395	400	340	153	260	26	14	54	28	111.5	880	70
HC-725 F	60	100	125	200	725	1330	675	350	255	50	410	280	400	50	1190	440	440	370	155	275	29	18	64.5	32	132.5	1100	85
HC-800 F	65	130	140	230	800	1510	755	385	285	85	450	300	440	85	1360	500	520	430	200	312	31	18	69.5	36	148.5	1315	115
HC-900 F	75	140	170	250	900	1695	830	415	315	90	505	330	480	90	1495	590	610	510	210	350	37	20	80	40	179.5	1950	170
HC-1000 F	80	150	200	300	1000	1810	880	430	315	85	525	380	535	85	1610	640	640	530	220	395	38	22	85.5	45	210.5	2600	200

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HC SERIES · VERTICAL

Crane Duty Helical Gearboxes

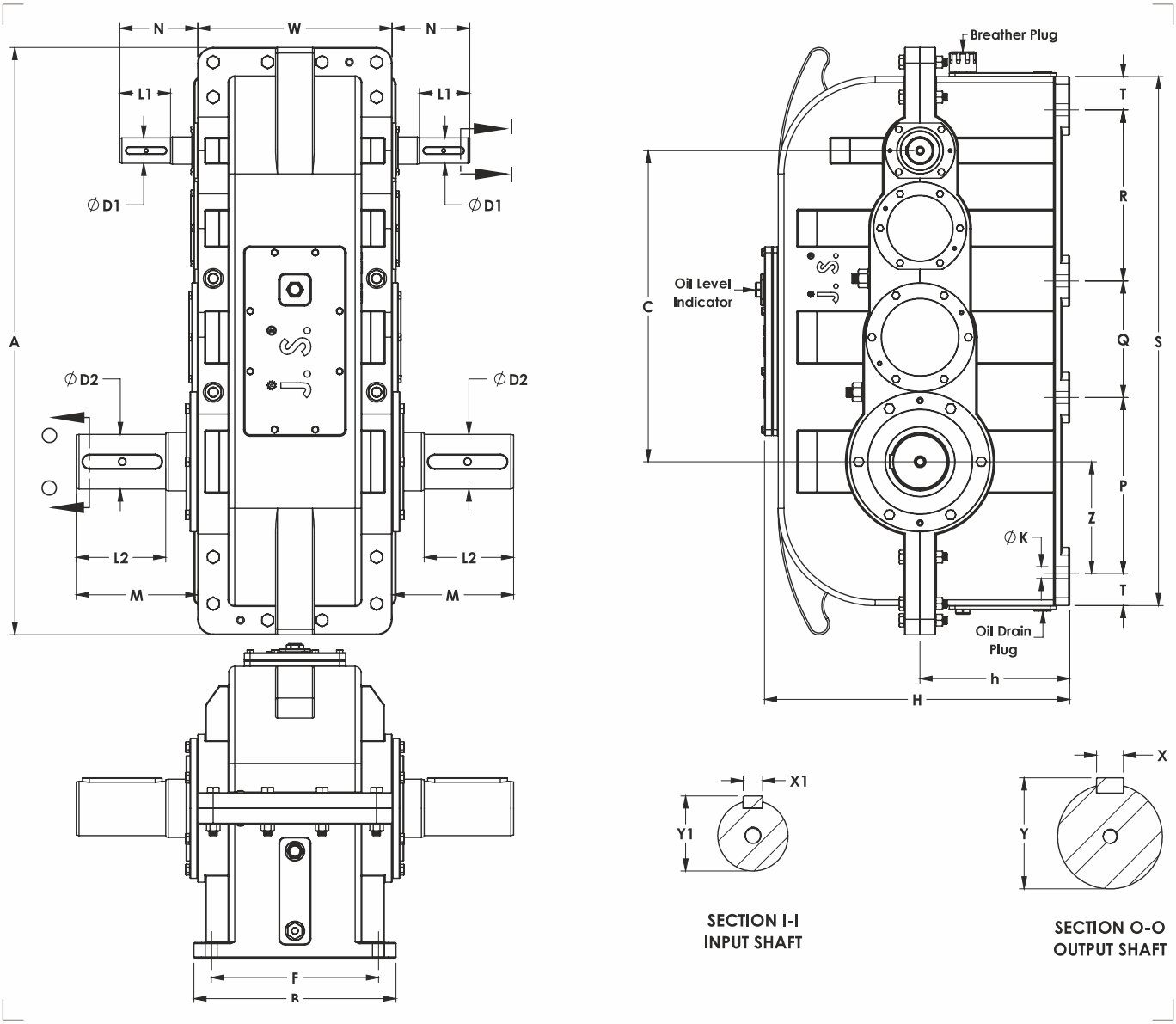
Vertical mounted · Cast iron housing

CI BODY

MODEL RANGE
HC-250 – HC-500

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HC SERIES VERTICAL · CI BODY

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HC-250	24	50	42	70	250	470	250	135	77.5	25	350	–	–	400	160	170	140	70	98	14	8	27.5	12	45.5	45	3.5
HC-300	28	60	48	80	300	530	269	133	90	30	152	113	145	470	180	190	160	78	106	14	8	31	14	52	74	5
HC-350	28	80	55	100	350	645	343	170	135	25	220	135	165	570	240	255	215	112	127	16	8	31.5	16	59.5	130	12
HC-425	38	80	70	105	425	760	410	210	147	35	230	380	–	680	270	300	250	128	135	21	10	41.5	20	74.5	230	20
HC-500	48	100	90	150	500	890	505	250	170	42.5	270	195	260	810	295	295	245	135	185	21	14	52	25	95.5	360	25

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HC SERIES · VERTICAL

Crane Duty Helical Gearboxes

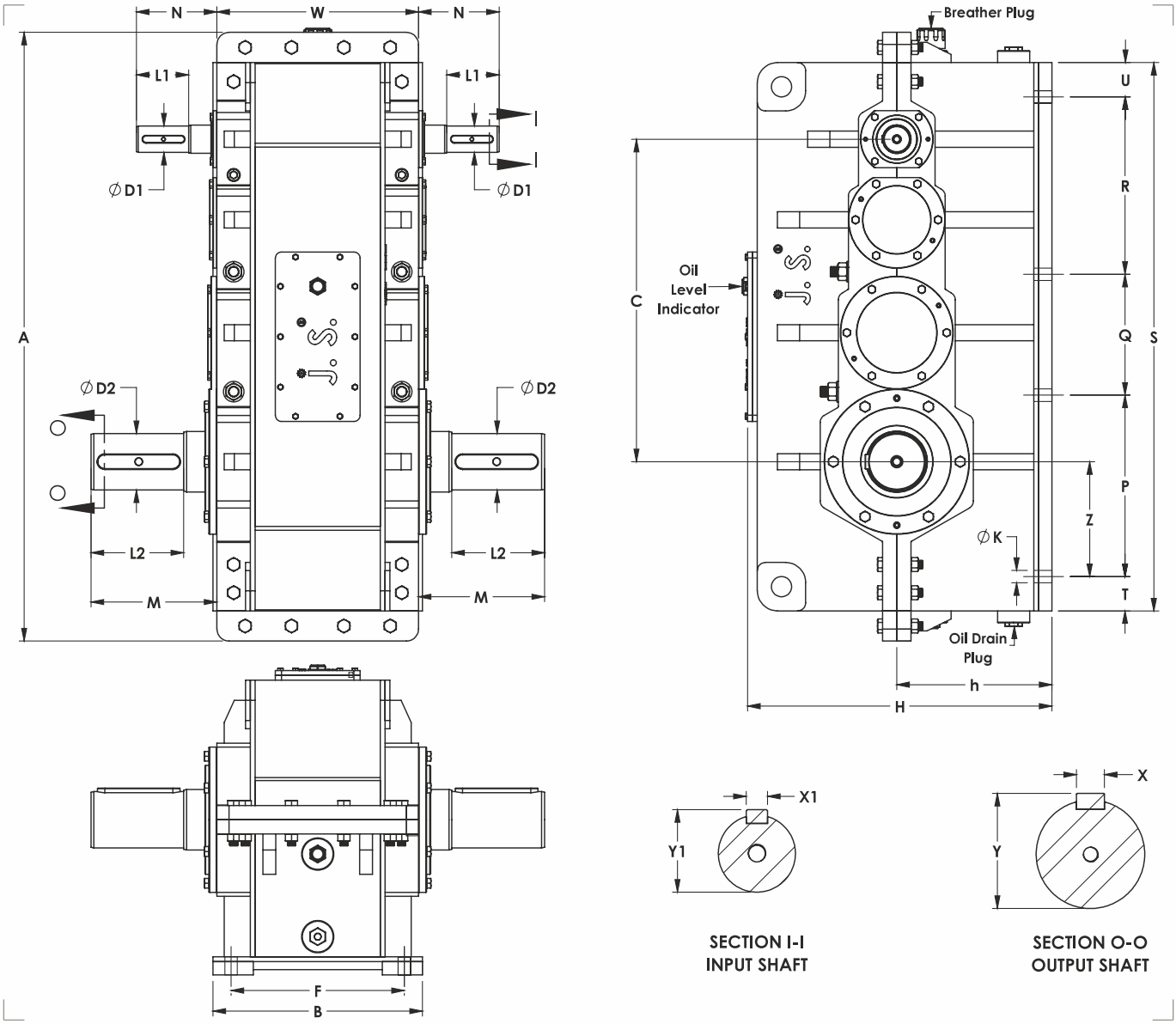
Vertical mounted · Fabricated steel housing

FABRICATED

MODEL RANGE
HC-250 F — HC-500 F

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



SECTION I-I
INPUT SHAFT

SECTION O-O
OUTPUT SHAFT

DIMENSIONAL DATA

HC SERIES VERTICAL · FABRICATED

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																				AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HC-250 F	24	50	42	70	250	465	250	135	77.5	25	350	–	–	25	400	160	180	140	70	98	14	8	27.5	12	45.5	45	3.5
HC-300 F	28	60	48	80	300	534	273	133	90	30	152	113	145	30	470	180	200	160	78	106	14	8	31	14	52	75	5
HC-350 F	28	80	55	100	350	650	340	170	135	25	220	135	165	25	570	240	255	215	112	127	16	8	31.5	16	59.5	140	12
HC-425 F	38	80	70	105	425	780	410	210	147	35	230	155	225	35	680	270	300	250	128	135	21	10	41.5	20	74.5	200	15
HC-500 F	48	100	90	150	500	910	490	250	170	42.5	270	195	260	42.5	810	295	295	245	135	185	21	14	52	25	95.5	360	25

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HC SERIES · SELECTION

Three Stage Crane Duty Gearboxes

Nominal power ratings

MODEL RANGE
HC-250 – HC-1000

NOMINAL RATING CHART

VALUES IN kW

SPEED			THREE STAGE HC SERIES · POWER RATING P_n (kW)										
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HC-250	HC-300	HC-350	HC-425	HC-500	HC-550	HC-650	HC-725	HC-800	HC-900	HC-1000
25	ACTUAL RATIO		25.9	25.2	25.5	26.9	25.7	25	25	25	25	25	25
	1500	60	5.5	7.5	19	39	47.4	86.4	119.8	170.2	255.2	324.2	434.3
	1000	40	3.7	5.5	15	30	39	59.9	86.4	113.2	178.6	226.9	291.4
	750	30	2.9	4.4	12	24	31.2	47.9	69.1	90.6	142.9	181.5	233.1
31.5	ACTUAL RATIO		31.1	31.5	31.7	31.5	32.1	32.2	31.8	31.5	31.5	31.5	31.5
	1500	47.6	5	6.8	17.2	35.4	43.1	78.6	109	154.9	232.2	295	395.2
	1000	31.7	3.3	5	13.6	27.3	35.4	54.5	78.6	103	162.5	206.5	265.2
	750	23.8	2.6	4	10.9	21.8	28.3	43.6	62.9	82.4	130	165.2	212.1
35.5	ACTUAL RATIO		36.6	36.6	35.5	33.6	36.1	35.5	35.5	37.8	34.3	34.1	34.5
	1500	42.3	4.5	6.2	15.7	32.3	39.2	71.5	99.2	140.9	211.3	268.5	359.6
	1000	28.2	3	4.5	12.4	24.8	32.3	49.6	71.5	93.7	147.9	187.9	241.3
	750	21.1	2.4	3.6	9.9	19.8	25.8	39.6	57.2	75	118.3	150.3	193
40	ACTUAL RATIO		39.7	41.1	39.7	41.5	41.3	40.4	39.1	40	40	40	41.5
	1500	37.5	4.1	5.6	14.3	29.3	35.7	65.1	90.2	128.2	192.3	244.3	327.2
	1000	25	2.7	4.1	11.3	22.6	29.3	45.1	65.1	85.3	134.6	171	219.6
	750	19	2.2	3.3	9	18	23.5	36.1	52	68.2	107.7	136.8	175.7
45	ACTUAL RATIO		46.5	45	45	45	45	45	46.8	46.5	45.8	44.3	47.6
	1500	33.3	3.7	5.1	13	26.7	32.5	59.2	82.1	116.7	175	222.3	297.8
	1000	22.2	2.5	3.7	10.2	20.5	26.7	41	59.2	77.6	122.5	155.6	199.8
	750	17	2	3	8.2	16.4	21.3	32.8	47.4	62.1	98	124.5	159.8
50	ACTUAL RATIO		50	49.6	49.3	49.6	49.5	50.9	50	51	50	52	50
	1500	30	3.4	4.6	11.8	24.3	29.5	53.9	74.7	106.2	159.2	202.3	271
	1000	20	2.3	3.4	9.3	18.7	24.3	37.3	53.9	70.6	111.4	141.6	181.8
	750	15	1.8	2.7	7.5	14.9	19.4	29.9	43.1	56.5	89.2	113.3	145.5
56	ACTUAL RATIO		56.2	56	57.1	56	53.7	57.4	57.1	56	56	56	54.6
	1500	26.8	3.1	4.2	10.7	22.1	26.9	49	68	96.6	144.9	184.1	246.6
	1000	17.9	2.1	3.1	8.5	17	22.1	34	49	64.3	101.4	128.8	165.5
	750	13.3	1.6	2.4	6.8	13.6	17.7	27.2	39.2	51.4	81.2	103.1	132.4
63	ACTUAL RATIO		66.6	61.2	63	61.7	64.3	62	68.6	60	63	65.2	65.7
	1500	23.8	2.8	3.8	9.8	20.1	24.5	44.6	61.9	87.9	131.8	167.5	224.4
	1000	15.9	1.9	2.8	7.7	15.5	20.1	30.9	44.6	58.5	92.3	117.2	150.6
	750	11.9	1.5	2.2	6.2	12.3	16.1	24.7	35.7	46.8	73.9	93.8	120.4

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Actual ratio shown for each size. – Ratio not available in this size. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HC SERIES · SELECTION

Three Stage Crane Duty Gearboxes

Nominal power ratings · Continued

MODEL RANGE
HC-250 – HC-1000

NOMINAL RATING CHART

VALUES IN kW

SPEED			THREE STAGE HC SERIES · POWER RATING P_n (kW)										
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HC-250	HC-300	HC-350	HC-425	HC-500	HC-550	HC-650	HC-725	HC-800	HC-900	HC-1000
71	ACTUAL RATIO		71	72.4	70.8	72.7	71	72.4	71.5	69.4	72.8	71.6	75.4
	1500	21.1	2.5	3.5	8.9	18.3	22.3	40.6	56.3	80	120	152.5	204.2
	1000	14.4	1.7	2.5	7	14.1	18.3	28.1	40.6	53.2	84	106.7	137
	750	11	1.3	2	5.6	11.2	14.6	22.5	32.5	42.6	67.2	85.3	109.6
80	ACTUAL RATIO		78.2	78	83.7	80.9	78.5	80.4	82.2	85.5	83.9	83.3	81.1
	1500	18.8	2.3	3.2	8.1	16.6	20.2	36.9	51.2	72.8	109.2	138.7	185.8
	1000	12.5	1.5	2.3	6.4	12.8	16.6	25.6	36.9	48.4	76.4	97.1	124.7
	750	9.3	1.2	1.8	5.1	10.2	13.3	20.5	29.5	38.7	61.2	77.7	99.7
90	ACTUAL RATIO		90	90	90	88.4	91.1	93.9	91.2	92.4	90	90	95.1
	1500	16.7	2.1	2.9	7.4	15.1	18.4	33.6	46.6	66.2	99.3	126.2	169.1
	1000	11.1	1.4	2.1	5.8	11.6	15.1	23.3	33.6	44.1	69.5	88.3	113.5
	750	8.3	1.1	1.7	4.6	9.3	12.1	18.6	26.9	35.2	55.6	70.7	90.8
100	ACTUAL RATIO		–	97.2	99.1	98.3	98.9	101.4	97.5	107.8	100	99.4	102.3
	1500	15	–	2.6	6.7	13.8	16.8	30.6	42.4	60.3	90.4	114.9	153.9
	1000	10	–	1.9	5.3	10.6	13.8	21.2	30.6	40.1	63.3	80.4	103.2
	750	7.5	–	1.5	4.2	8.5	11	16.9	24.5	32.1	50.6	64.3	82.6
112	ACTUAL RATIO		–	–	–	–	–	–	114.2	116.5	113.2	109.2	113.4
	1500	13.4	–	–	–	–	–	–	38.6	54.8	82.3	105.5	140
	1000	8.9	–	–	–	–	–	–	27.8	36.5	57.6	73.1	93.9
	750	6.6	–	–	–	–	–	–	22.3	29.2	46.1	58.5	75.1
120	ACTUAL RATIO		–	121.4	119.1	116	116.6	122	122.1	–	126.3	122.5	124.8
	1500	12.5	–	2.4	6.1	11.4	13.9	25.3	35.1	–	74.8	96	127.4
	1000	8.3	–	1.7	4.8	8.8	11.4	17.5	25.3	–	52.4	66.6	85.5
	750	6.2	–	1.4	3.8	7	9.1	14	20.2	–	41.9	53.2	68.4
140	ACTUAL RATIO		–	–	141.1	140.1	135.4	142.4	135.4	136	142.8	133.3	143.1
	1500	10.7	–	–	5.5	10.4	12.6	23	32	45.4	68.1	87.4	115.9
	1000	7.1	–	–	4.4	8	10.4	15.9	23	30.2	47.7	60.6	77.8
	750	5.3	–	–	3.5	6.4	8.3	12.7	18.4	24.2	38.1	48.4	62.2
150	ACTUAL RATIO		–	–	–	–	147	–	147.9	–	–	146.4	–
	1500	10	–	–	–	–	11.5	–	29.1	–	–	79.5	–
	1000	6.6	–	–	–	–	9.4	–	20.9	–	–	55.1	–
	750	5	–	–	–	–	7.5	–	16.8	–	–	44.1	–

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Actual ratio shown for each size. – Ratio not available in this size. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HD SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

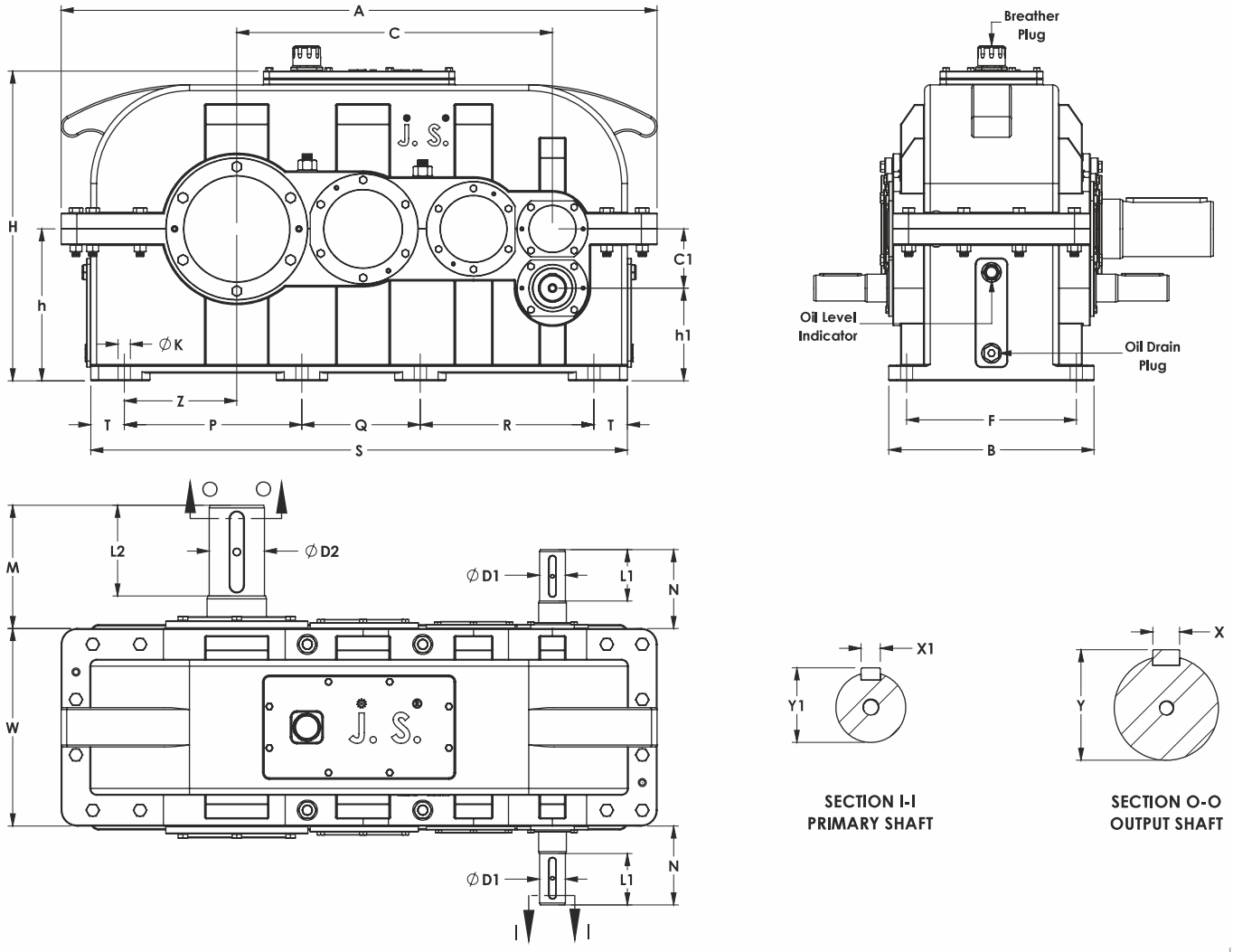
Horizontal foot mounted · With primary reduction · Cast iron housing

CI BODY

MODEL RANGE
HD-500+90 – HD-1000+200

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HD SERIES · CI BODY

TYPE	PRIMARY SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																					AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HD-500+90	34	75	90	150	500	890	505	250	90	160	170	42.5	270	195	260	810	295	295	245	115	185	21	10	37.5	25	95.5	380	25
HD-550+100	45	80	95	170	550	1020	495	250	100	150	183	45	305	195	315	905	365	380	315	135	235	21	14	49	25	100.5	560	45
HD-650+130	50	80	105	200	650	1190	630	315	130	185	225	57.5	380	230	335	1060	395	400	340	133	260	26	14	54	28	111.5	820	70
HD-725+150	60	100	125	200	725	1330	690	350	150	200	255	50	410	280	400	1190	440	440	370	145	275	29	18	64.5	32	132.5	1050	80
HD-800+150	60	130	140	230	800	1510	785	385	150	235	285	85	450	300	440	1360	500	520	430	178	312	31	18	64.5	36	148.5	1400	105
HD-900+180	75	140	170	250	900	1675	840	415	180	235	315	90	505	330	480	1495	590	610	510	205	350	37	20	80	40	179.5	2200	160
HD-1000+200	80	150	200	300	1000	1810	880	430	200	230	315	85	525	380	535	1610	640	640	530	220	395	38	22	85.5	45	210.5	2800	190

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HD SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

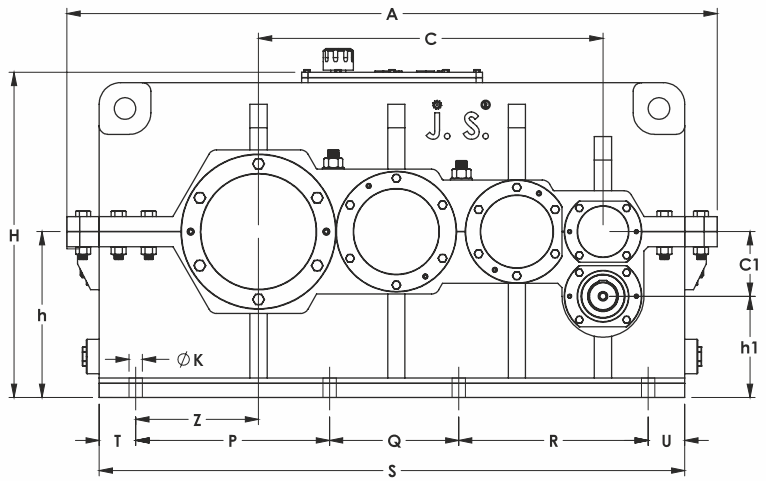
Horizontal foot mounted · With primary reduction · Fabricated steel housing

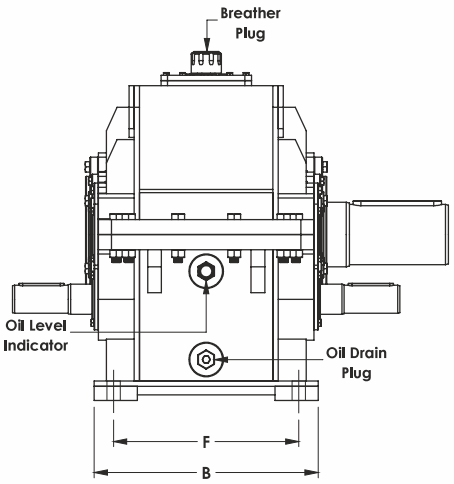
FABRICATED

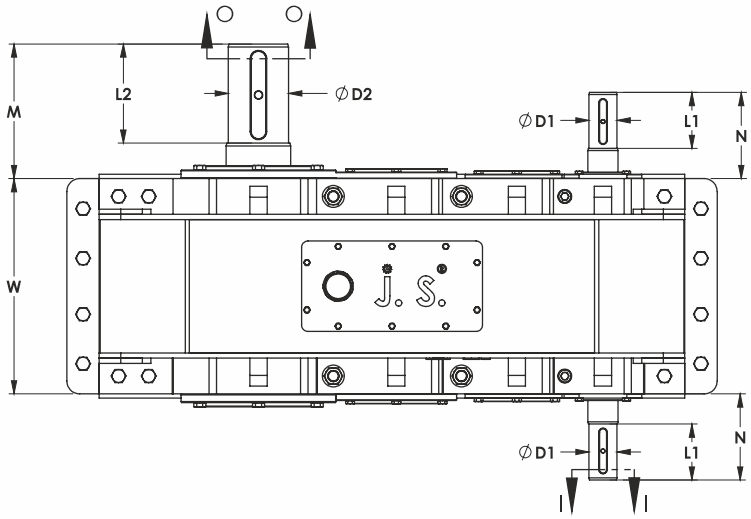
MODEL RANGE
HD-500+90 F — HD-1000+200 F

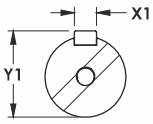
GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm

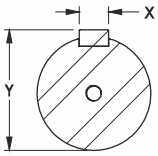








SECTION I-I
PRIMARY SHAFT



SECTION O-O
OUTPUT SHAFT

DIMENSIONAL DATA

HD SERIES · FABRICATED

TYPE	PRIMARY SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																						AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HD-500+90 F	34	75	90	150	500	910	490	250	90	160	170	42.5	270	195	260	42.5	810	295	295	245	115	185	21	10	37.5	25	95.5	380	25
HD-550+100 F	45	80	95	170	550	1020	495	250	100	150	183	45	305	195	315	45	905	365	380	315	135	235	21	14	49	25	100.5	565	40
HD-650+130 F	50	80	105	200	650	1160	630	315	130	185	225	57.5	380	230	335	57.5	1060	395	400	340	133	260	26	14	54	28	111.5	900	70
HD-725+150 F	60	100	125	200	725	1330	675	350	150	200	255	50	410	280	400	50	1190	440	440	370	145	275	29	18	64.5	32	132.5	1150	80
HD-800+150 F	60	130	140	230	800	1510	755	385	150	235	285	85	450	300	440	85	1360	500	520	430	178	312	31	18	64.5	36	148.5	1365	115
HD-900+180 F	75	140	170	250	900	1695	830	415	180	235	315	90	505	330	480	90	1495	590	610	510	205	350	37	20	80	40	179.5	2200	160
HD-1000+200 F	80	150	200	300	1000	1810	880	430	200	230	315	85	525	380	535	85	1610	640	640	530	220	395	38	22	85.5	45	210.5	2800	190

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HD SERIES · SELECTION

Four Stage Crane Duty Gearboxes

With primary reduction · Nominal power ratings

MODEL RANGE
HD-500+90 – HD-1000+200

NOMINAL RATING CHART

VALUES IN kW

SPEED			FOUR STAGE HD SERIES · POWER RATING P_n (kW)						
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HD-500+90	HD-550+100	HD-650+130	HD-725+150	HD-800+150	HD-900+180	HD-1000+200
160	1500	9.3	17	23.6	32.1	53.2	74.6	89.7	114.3
	1000	6.2	11.3	17	21.7	35.8	50	60.4	76.5
	750	4.6	9	13.6	17.3	28.6	40	48.3	61.2
180	1500	8.3	14.4	20	27.3	45.2	63.4	76.3	97.1
	1000	5.5	9.6	14.4	18.4	30.4	42.5	51.4	65
	750	4.1	7.7	11.5	14.7	24.3	34	41.1	52
200	1500	7.5	12.2	17	23.2	38.4	53.9	64.8	82.6
	1000	5	8.1	12.2	15.7	25.9	36.1	43.6	55.3
	750	3.7	6.5	9.8	12.5	20.7	28.9	34.9	44.2
224	1500	6.6	10.4	14.5	19.7	32.6	45.8	55.1	70.2
	1000	4.4	6.9	10.4	13.3	22	30.7	37.1	47
	750	3.3	5.5	8.3	10.6	17.6	24.6	29.7	37.6
250	1500	6	8.8	12.3	16.7	27.7	38.9	46.8	59.6
	1000	4	5.9	8.8	11.3	18.7	26.1	31.5	39.9
	750	3	4.7	7.1	9	14.9	20.9	25.2	31.9
280	1500	5.3	7.5	10.4	14.2	23.6	33.1	39.8	50.7
	1000	3.5	5	7.5	9.6	15.9	22.2	26.8	33.9
	750	2.6	4	6	7.7	12.7	17.7	21.4	27.1

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HD SERIES · SELECTION

Four Stage Crane Duty Gearboxes

With primary reduction · Nominal power ratings · Continued

MODEL RANGE
HD-500+90 — HD-1000+200

NOMINAL RATING CHART

VALUES IN kW

SPEED			FOUR STAGE HD SERIES · POWER RATING P_η (kW)						
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HD-500+90	HD-550+100	HD-650+130	HD-725+150	HD-800+150	HD-900+180	HD-1000+200
315	1500	4.7	6.4	8.9	12.1	20	28.1	33.8	43.1
	1000	3.1	4.2	6.4	8.2	13.5	18.8	22.8	28.8
	750	2.3	3.4	5.1	6.5	10.8	15.1	18.2	23
355	1500	4.2	5.4	7.5	10.2	17	23.9	28.7	36.6
	1000	2.8	3.6	5.4	6.9	11.4	16	19.3	24.5
	750	2.1	2.9	4.3	5.5	9.1	12.8	15.5	19.6
400	1500	3.7	4.6	6.4	8.7	14.5	20.3	24.4	31.1
	1000	2.5	3	4.6	5.9	9.7	13.6	16.4	20.8
	750	1.8	2.4	3.7	4.7	7.8	10.9	13.1	16.6
450	1500	3.3	3.9	5.4	7.4	12.3	17.2	20.7	26.4
	1000	2.2	2.6	3.9	5	8.3	11.5	14	17.7
	750	1.6	2.1	3.1	4	6.6	9.2	11.2	14.1
500	1500	3	3.3	4.6	6.3	10.4	14.6	17.6	22.5
	1000	2	2.2	3.3	4.2	7	9.8	11.9	15
	750	1.5	1.7	2.6	3.4	5.6	7.8	9.5	12
560	1500	2.6	2.8	3.9	5.3	8.9	12.4	15	19.1
	1000	1.7	1.9	2.8	3.6	5.9	8.3	10.1	12.8
	750	1.3	1.5	2.2	2.9	4.7	6.7	8	10.2

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HC SERIES · HEAVY DUTY

Crane Duty Helical Gearboxes

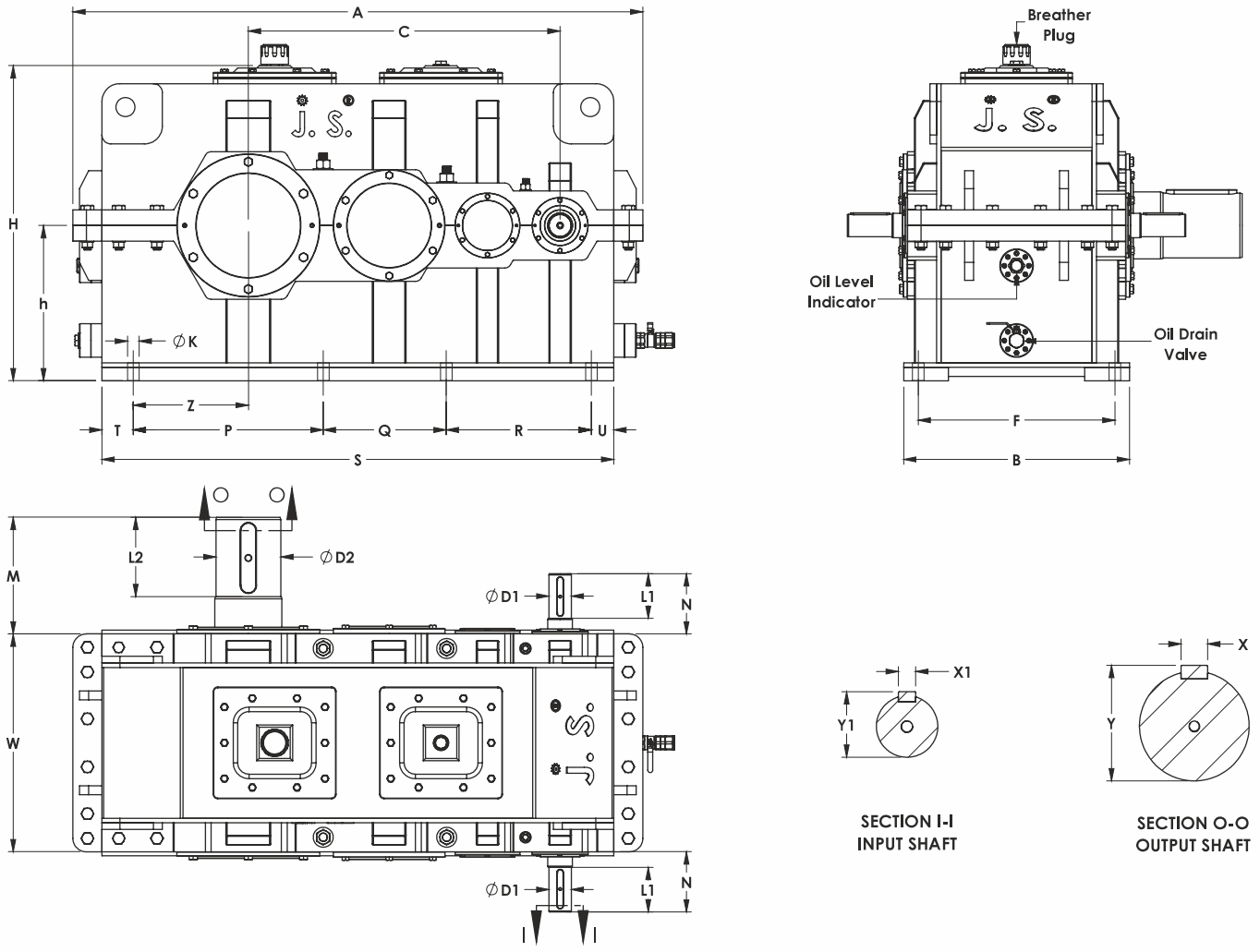
Horizontal foot mounted · Heavy duty fabricated steel housing

FABRICATED

MODEL RANGE
HC-1100 F — HC-1600 F

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HC SERIES HEAVY DUTY · FABRICATED

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																					AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HC-1100 F	95	175	240	350	1105	2085	1045	520	395	95	632	413	600	95	1835	730	730	605	280	475	40	25	100.5	56	251.5	4200	210
HC-1235 F	100	185	270	400	1235	2350	1245	620	415	130	678	465	687	130	2090	800	840	710	280	510	38	28	106.5	63	282	5800	350
HC-1395 F	100	200	290	355	1395	2550	1400	695	515	140	850	550	650	100	2290	975	1010	880	270	525	52	28	106.5	70	305.5	8100	425
HC-1600 F	125	200	330	425	1600	2990	1540	765	555	140	970	555	835	140	2640	1110	1110	970	300	595	52	32	132.5	70	344.5	11000	500

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HC SERIES · HEAVY · SELECTION

Three Stage Crane Duty Gearboxes

Heavy duty fabricated housing · Nominal power ratings

FABRICATED

MODEL RANGE
HC-1100 F — HC-1600 F

NOMINAL RATING CHART

VALUES IN kW

SPEED			THREE STAGE HC SERIES · POWER RATING P_η (kW)			
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HC-1100 F	HC-1235 F	HC-1395 F	HC-1600 F
25	1500	60	772.5	1095	1447.5	2115
	1000	40	547.5	780	1012	1508
	750	30	438	624	809.6	1206.4
31.5	1500	47.6	660.4	936.2	1237.6	1808.3
	1000	31.7	468.1	666.9	865.2	1289.3
	750	23.8	374.4	533.5	692.2	1031.4
35.5	1500	42.3	564.7	800.4	1058.1	1546.1
	1000	28.2	400.2	570.1	739.7	1102.3
	750	21.1	320.1	456.1	591.8	881.9
45	1500	33.3	482.8	684.4	904.7	1322
	1000	22.2	342.2	487.5	632.5	942.5
	750	16.6	273.7	390	506	754
50	1500	30	412.8	585.1	773.5	1130.3
	1000	20	292.5	416.8	540.8	805.8
	750	15	234	333.4	432.6	644.6
63	1500	23.8	352.9	500.3	661.3	966.4
	1000	15.9	250.1	356.3	462.3	689
	750	11.9	200.1	285	369.9	551.2
80	1500	18.8	301.7	427.7	565.4	826.2
	1000	12.5	213.8	304.7	395.3	589.1
	750	9.3	171.1	243.7	316.2	471.2

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HC SERIES · HEAVY · SELECTION

Three Stage Crane Duty Gearboxes

Heavy duty fabricated housing · Nominal power ratings · Continued

FABRICATED

MODEL RANGE
HC-1100 F — HC-1600 F

NOMINAL RATING CHART

VALUES IN kW

SPEED			THREE STAGE HC SERIES · POWER RATING P_η (kW)			
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HC-1100 F	HC-1235 F	HC-1395 F	HC-1600 F
90	1500	16.7	258	365.7	483.4	706.4
	1000	11.1	182.8	260.5	338	503.6
	750	8.3	146.2	208.4	270.4	402.9
100	1500	15	220.6	312.7	413.3	604
	1000	10	156.3	222.7	289	430.6
	750	7.5	125	178.1	231.2	344.5
112	1500	13.4	188.6	267.3	353.4	516.4
	1000	8.9	133.6	190.4	247.1	368.2
	750	6.6	106.9	152.3	197.6	294.5
120	1500	12.5	161.2	228.5	302.1	441.5
	1000	8.3	114.2	162.8	211.2	314.8
	750	6.2	91.4	130.2	169	251.8
140	1500	10.7	137.8	195.4	258.3	377.5
	1000	7.1	97.7	139.2	180.6	269.1
	750	5.3	78.1	111.3	144.5	215.3
150	1500	10	117.8	167.1	220.9	322.7
	1000	6.6	83.5	119	154.4	230.1
	750	5	66.8	95.2	123.5	184.1

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HD SERIES · HEAVY DUTY

Crane Duty Helical Gearboxes

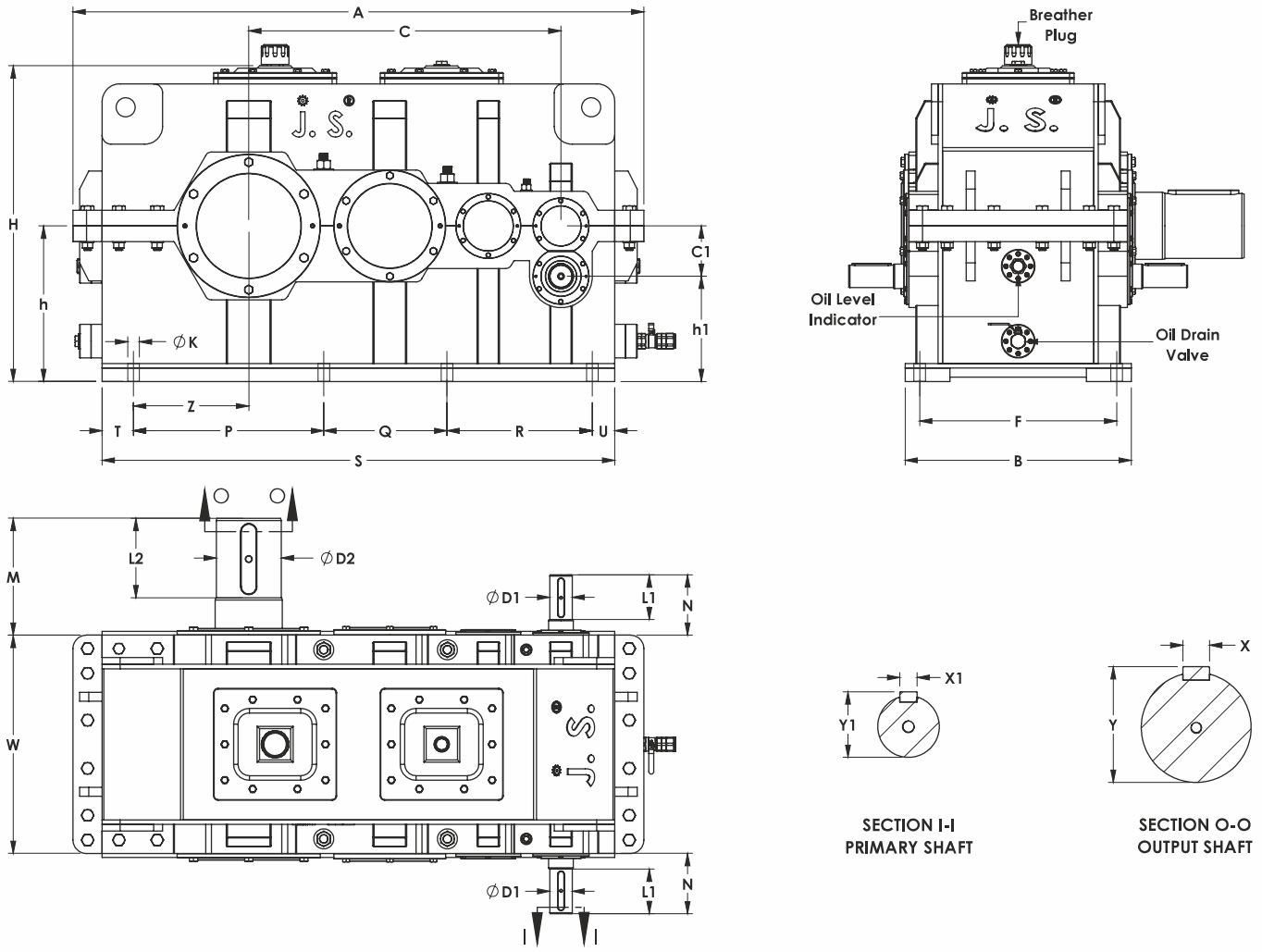
With primary reduction · Heavy duty fabricated steel housing

FABRICATED

MODEL RANGE
HD-1100+225 F — HD-1600+315 F

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

HD SERIES HEAVY DUTY · FABRICATED

TYPE	PRIMARY SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																						AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
HD-1100+225 F	95	175	250	350	1105	2085	1045	520	225	295	395	95	632	413	600	95	1835	730	730	605	280	475	48	25	100.5	56	251.5	4500	200
HD-1235+250 F	100	150	270	400	1235	2350	1245	620	250	370	415	130	678	465	687	130	2090	800	840	710	295	510	38	28	106.5	63	282	5800	350
HD-1395+225 F	100	140	290	355	1395	2550	1400	695	225	470	515	140	850	550	650	100	2290	975	1010	880	270	525	52	28	106.5	70	305.5	8100	425
HD-1600+315 F	125	200	330	425	1600	2990	1540	765	315	450	555	140	970	555	835	140	2640	1110	1110	970	300	595	52	32	132.5	70	344.5	11000	500

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

HD SERIES · HEAVY · SELECTION

Four Stage Crane Duty Gearboxes

Heavy duty fabricated housing · Nominal power ratings

FABRICATED

MODEL RANGE
HD-1100+225 F — HD-1600+315 F

NOMINAL RATING CHART

VALUES IN kW

SPEED			FOUR STAGE HD SERIES · POWER RATING P_n (kW)			
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HD-1100+225 F	HD-1235+250 F	HD-1395+225 F	HD-1600+315 F
140	1500	10.7	173.2	245	320.6	464.6
	1000	7.1	113.6	160.8	211.5	308.2
	750	5.3	91	128.7	169.2	246.6
160	1500	9.4	147.2	208.2	272.5	394.9
	1000	6.3	96.5	136.7	179.7	262
	750	4.6	77.3	109.3	143.8	209.6
180	1500	8.3	125.1	177	231.6	335.6
	1000	5.6	82	116.2	152.8	222.7
	750	4.1	65.7	92.9	122.2	178.1
200	1500	7.5	106.3	150.4	196.9	285.3
	1000	5	69.7	98.7	129.8	189.3
	750	3.7	55.8	79	103.9	151.4
224	1500	6.7	90.4	127.8	167.3	242.5
	1000	4.5	59.3	83.9	110.4	160.9
	750	3.3	47.5	67.1	88.3	128.7
250	1500	6	76.8	108.7	142.2	206.1
	1000	4	50.4	71.3	93.8	136.7
	750	3	40.3	57.1	75	109.4
280	1500	5.4	65.3	92.4	120.9	175.2
	1000	3.6	42.8	60.6	79.7	116.2
	750	2.6	34.3	48.5	63.8	93

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HD SERIES · HEAVY · SELECTION

Four Stage Crane Duty Gearboxes

Heavy duty fabricated housing · Nominal power ratings · Continued

FABRICATED

MODEL RANGE
HD-1100+225 F — HD-1600+315 F

NOMINAL RATING CHART

VALUES IN kW

SPEED			FOUR STAGE HD SERIES · POWER RATING P_n (kW)			
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	HD-1100+225 F	HD-1235+250 F	HD-1395+225 F	HD-1600+315 F
315	1500	4.8	55.5	78.5	102.7	148.9
	1000	3.2	36.4	51.5	67.8	98.8
	750	2.3	29.1	41.2	54.2	79
355	1500	4.2	47.2	66.7	87.3	126.6
	1000	2.8	30.9	43.8	57.6	83.9
	750	2.1	24.7	35	46.1	67.1
400	1500	3.8	40.1	56.7	74.2	107.6
	1000	2.5	26.3	37.2	48.9	71.3
	750	1.8	21	29.8	39.1	57.1
450	1500	3.3	34.1	48.2	63.1	91.4
	1000	2.2	22.3	31.6	41.6	60.6
	750	1.6	17.9	25.3	33.3	48.5
500	1500	3	28.9	40.9	53.6	77.7
	1000	2	19	26.9	35.3	51.5
	750	1.5	15.2	21.5	28.3	41.2
560	1500	2.7	24.6	34.8	45.6	66
	1000	1.8	16.1	22.8	30	43.8
	750	1.3	12.9	18.3	24	35

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

HC / HD SERIES · GEAR RING

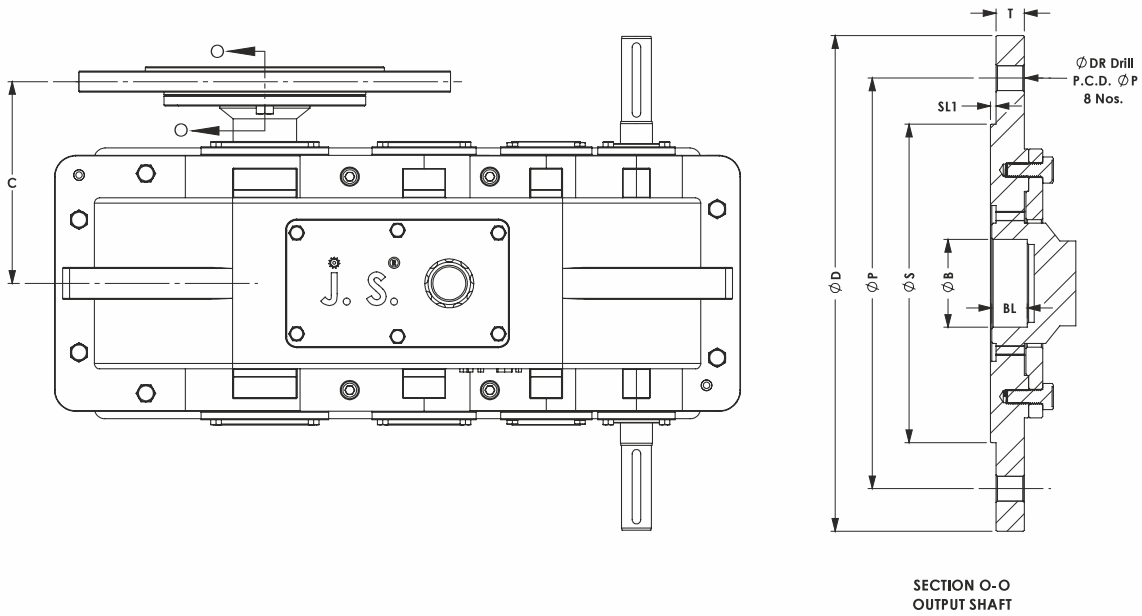
Standard Gear Ring Details

Gear ring dimensions by gearbox size

MODEL RANGE
HC-350 – HC-725

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



SECTION O-O
OUTPUT SHAFT

DIMENSIONAL DATA

STANDARD GEAR RING

GEARBOX SIZE	ØD	ØP	ØS	C	SL1	T	ØDR	ØB	BL
HC-350	300	240	175	185	4	20	17.5	62	25
	350	290	225	185	4	20	17.5	62	25
HC-425	400	325	215	220	5	20	21	90	40
	428	350	215	220	5	20	21	90	40
	450	375	250	220	5	20	21	90	40
HC-500 HD-500+90	450	375	250	245	5	28	21	125	50
	550	475	300	245	5	28	21	125	50
HC-550 HD-550+100	450	375	250	295	5	28	21	125	50
	550	475	300	295	5	28	21	125	50
HC-650 HD-650+130	550	475	300	345	5	29	21	140	50
	625	550	350	345	5	29	21	140	50
	680	600	450	345	5	29	21	140	50
HC-725 HD-725+150	550	475	300	350	5	38	21	140	50
	625	550	350	350	5	38	21	140	50
	680	600	450	350	5	38	21	140	50

All dimensions in mm. Standard gear ring options per gearbox size; other sizes on request. Dimensions are subject to change in line with continuous product development; please request a certified drawing before manufacture.

HC / HD SERIES · GEAR RING

Standard Gear Ring Details

Gear ring dimensions by gearbox size · Continued

MODEL RANGE
HC-800 – HC-1600

DIMENSIONAL DATA — STANDARD GEAR RING

GEARBOX SIZE	ØD	ØP	ØS	C	SL1	T	ØDR	ØB	BL
HC-800 HD-800+150	600	500	400	400	5	47	31	170	50
	700	600	450	400	5	47	31	170	50
	800	700	500	400	5	47	31	170	50
HC-900 HD-900+180	700	600	400	445	7	52	37	200	58
	800	675	500	445	7	52	37	200	58
	900	750	600	445	7	52	37	200	58
HC-1000 HD-1000+200	800	675	550	525	7	60	37	240	65
	900	750	600	525	7	60	37	240	65
	1000	825	650	525	7	60	37	240	65
HC-1100 HD-1100+220	800	675	550	600	7	70	40	280	80
	900	750	600	600	7	70	40	280	80
	1000	825	650	600	7	70	40	280	80
HC-1235 HD-1235+250	900	750	600	640	7	80	48	310	90
	1000	825	650	640	7	80	48	310	90
	1100	900	700	640	7	80	48	310	90
HC-1395 HD-1395+225	1100	9025	750	735	10	90	52	360	100
	1250	1050	850	735	10	90	52	360	100
	1400	1200	950	735	10	90	52	360	100
HC-1600 HD-1600+315	1250	1025	800	830	10	90	52	400	110
	1450	1200	900	830	10	90	52	400	110
	1650	1375	1000	830	10	90	52	400	110

All dimensions in mm. Standard gear ring options per gearbox size; other sizes on request. Dimensions are subject to change in line with continuous product development; please request a certified drawing before manufacture.

HC / HD SERIES · OUTPUT SHAFT

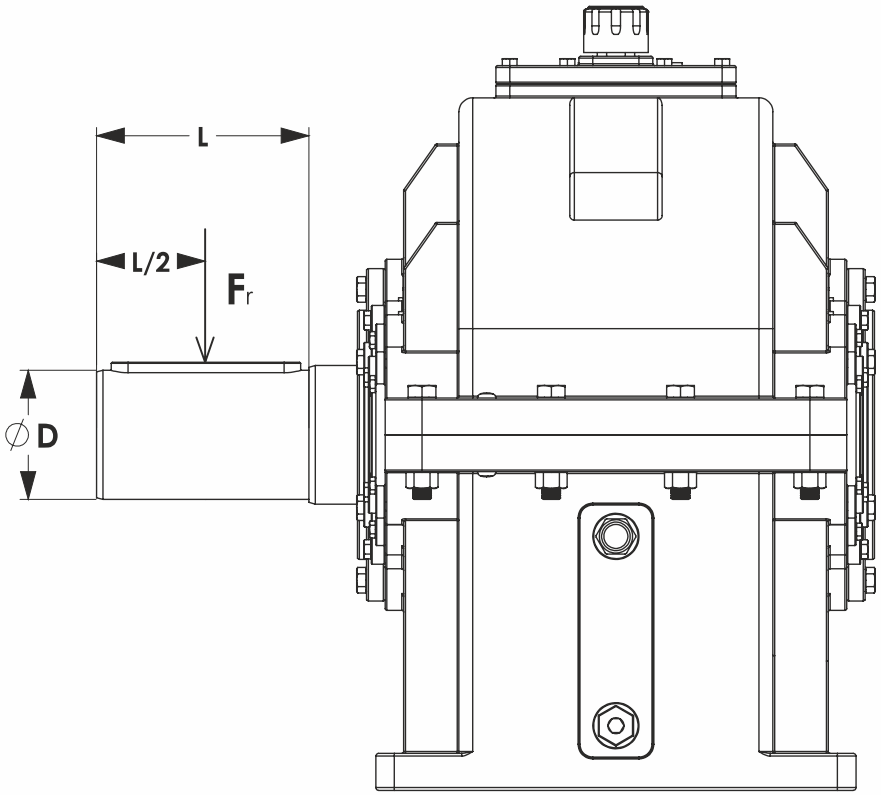
Permissible Overhung Load

Radial load on the output shaft · Fr at the centre of the shaft extension

MODEL RANGE
HC-350 – HC-1395

LOAD POSITION

Fr APPLIED AT L/2



GUIDANCE

When a drum or similar component is mounted directly on the output shaft, the table below gives the permissible overhung load the shaft can carry. Overhung load can be reduced by increasing the diameter of the drum. If the maximum permissible overhung load is exceeded, the drum should be mounted on a separate shaft, flexibly coupled and supported in its own bearings. For a more rigid arrangement, we recommend J.S. Gear standard gear ring designs.

PERMISSIBLE OVERHUNG LOAD Fr

VALUES IN kN

HC-350	HC-425	HC-500	HC-550	HC-650	HC-725	HC-800	HC-900	HC-1000	HC-1100	HC-1235	HC-1395
14	24	25	26	30	42	70	75	100	130	168	210

Overhung load Fr in kN, acting at the mid-point (L/2) of the output shaft extension. Values are subject to change in line with continuous product development; please consult J.S. Gear for application-specific loading.

LT SERIES

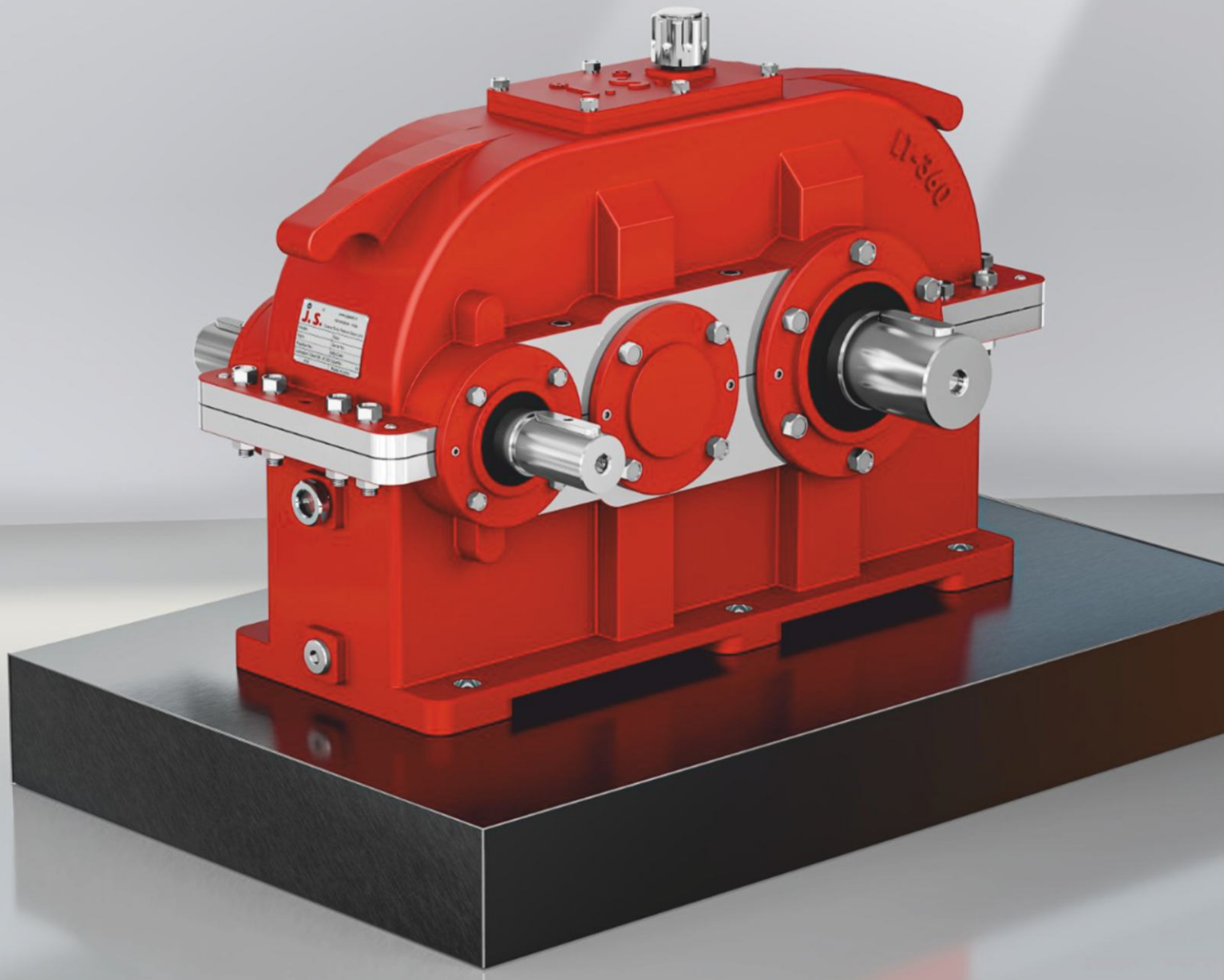
Two Stage
Crane Duty Helical Gearboxes

Cast Iron & Fabricated Housings · Horizontal & Vertical Mounting

3
SIZES
LT-250 · LT-305 · LT-360

6 – 26
RATIO RANGE
Nominal ratio i

52.5 kW
INPUT POWER
Max. input rating · 1500 rpm



LT SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

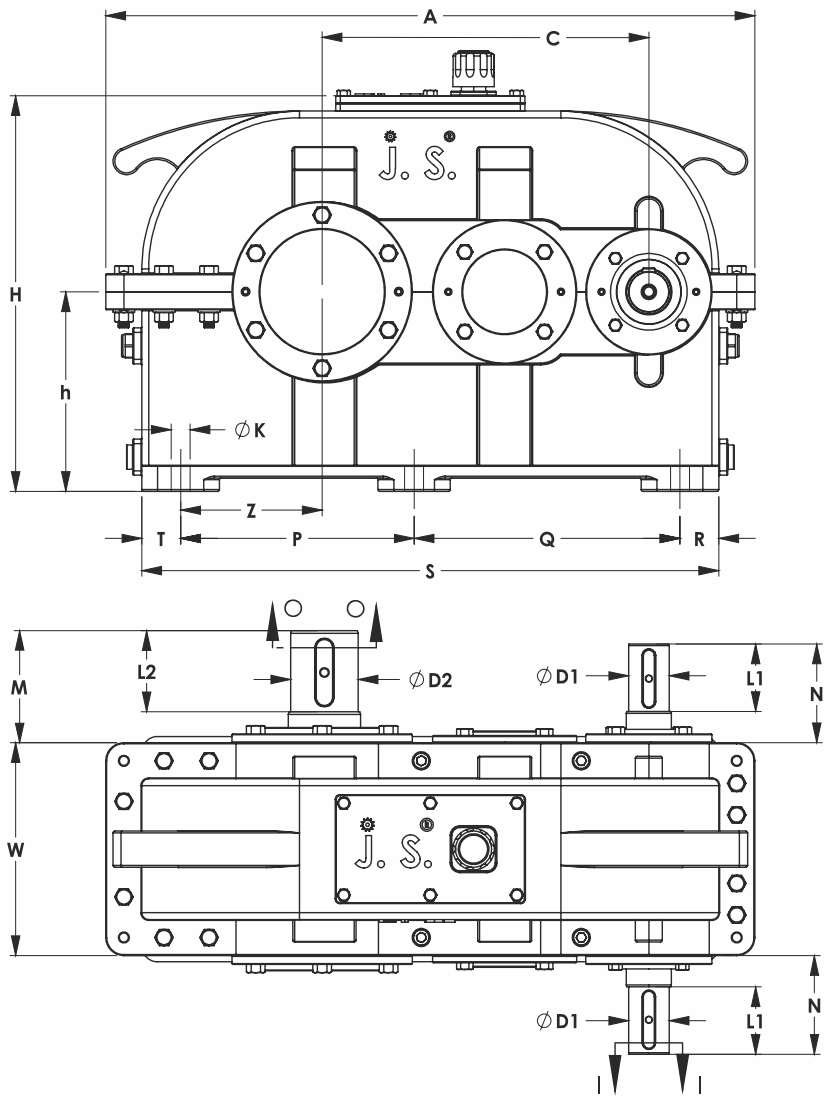
Two stage · Horizontal foot mounted · Cast iron housing

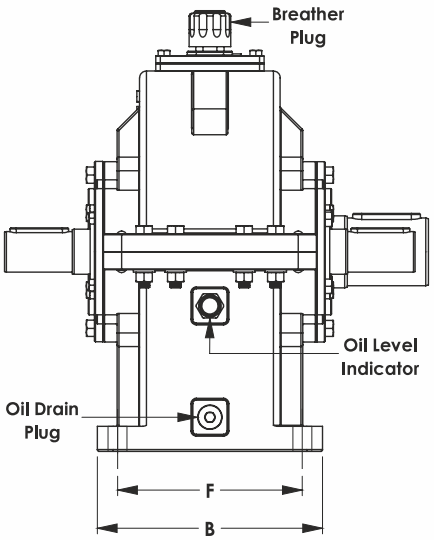
CI BODY

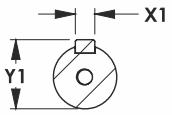
MODEL RANGE
LT-250 – LT-360

GENERAL ARRANGEMENT

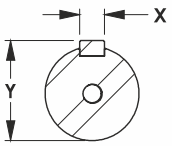
ALL DIMENSIONS IN mm







SECTION I-I
INPUT SHAFT



SECTION O-O
OUTPUT SHAFT

DIMENSIONAL DATA

LT SERIES · CI BODY

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
LT-250	32	60	58	80	250	540	340	170	110	40	185	195	40	460	186	210	165	95	120	17	10	35.5	16	62.5	90	6
LT-305	32	60	65	80	305	650	420	210	155	40	245	245	40	570	196	210	170	100	108	19	10	35.5	18	69.5	135	10
LT-360	45	75	75	90	360	720	440	222	160	43	260	295	43	640	236	250	205	110	125	21	14	49	20	80	190	15

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

LT SERIES · VERTICAL

Crane Duty Helical Gearboxes

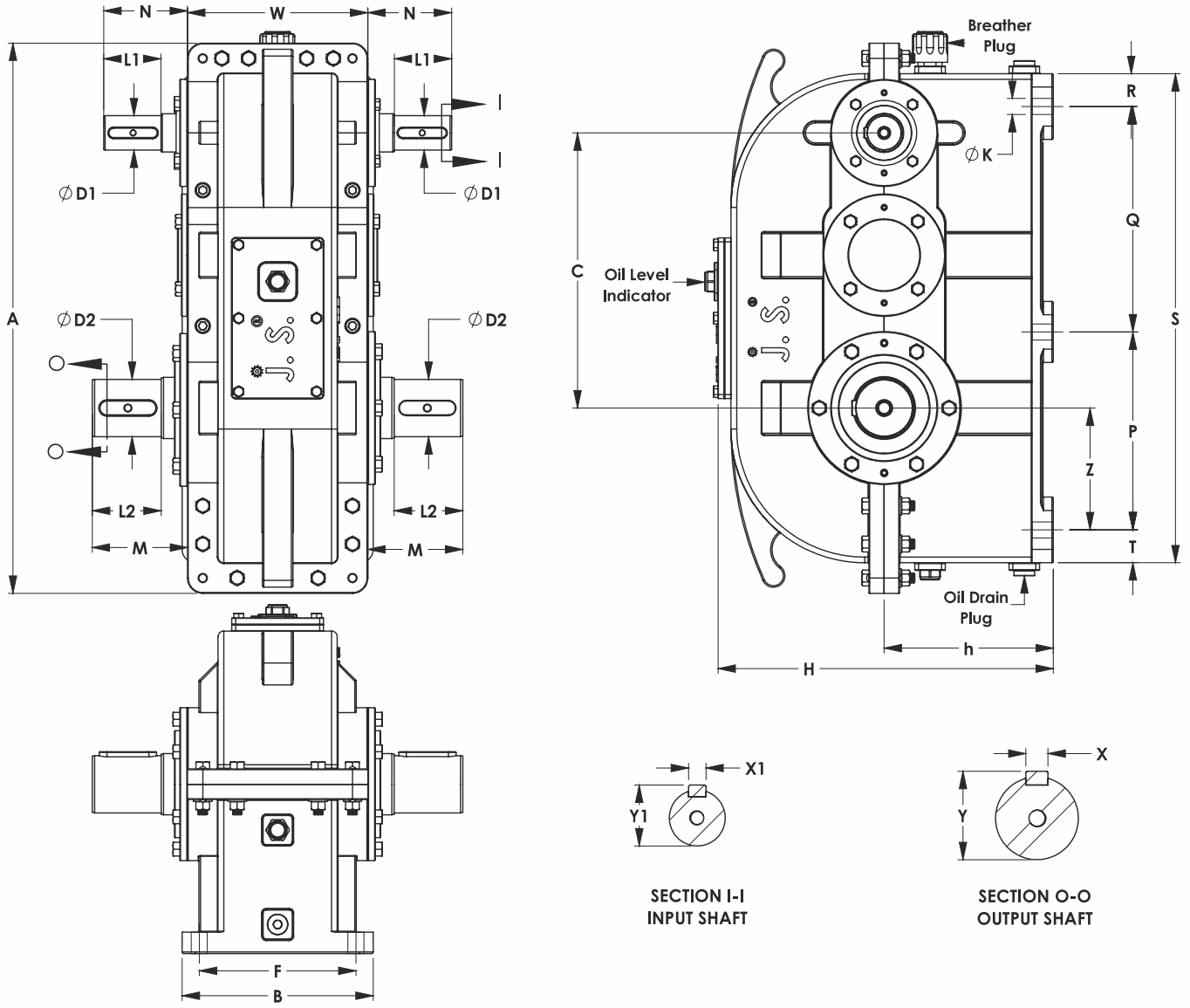
Two stage · Vertical mounted · Cast iron housing

CI BODY

MODEL RANGE
LT-250 – LT-360

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

LT SERIES VERTICAL · CI BODY

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
LT-250	32	60	58	80	250	540	340	170	110	40	185	195	40	460	186	210	165	95	120	17	10	35.5	16	62.5	90	6
LT-305	32	60	65	80	305	650	420	210	155	40	245	245	40	570	196	210	170	100	108	19	10	35.5	18	69.5	135	10
LT-360	45	75	75	90	360	720	440	222	160	43	260	295	43	640	236	250	205	110	125	21	14	49	20	80	190	15

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

LT SERIES · HORIZONTAL

Crane Duty Helical Gearboxes

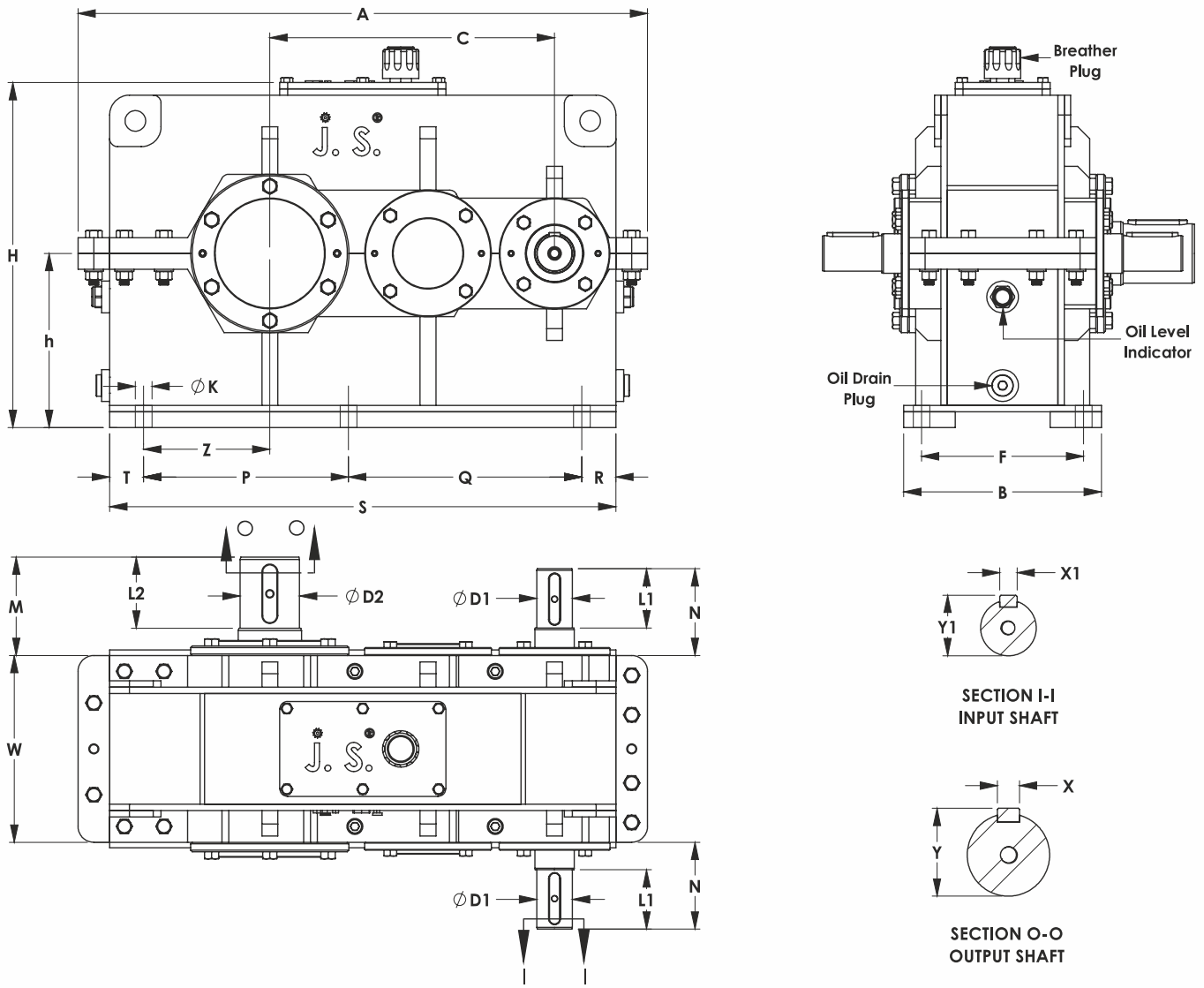
Two stage · Horizontal foot mounted · Fabricated steel housing

FABRICATED

MODEL RANGE
LT-250 – LT-360

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



DIMENSIONAL DATA

LT SERIES · FABRICATED

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
LT-250	32	60	58	80	250	540	340	170	110	40	185	195	40	460	186	210	165	95	120	17	10	35.5	16	62.5	100	5
LT-305	32	60	65	80	305	650	420	210	155	40	245	245	40	570	196	210	170	100	108	19	10	35.5	18	69.5	140	9
LT-360	45	75	75	90	360	720	436	220	160	43	260	295	43	640	236	250	205	110	125	21	14	49	20	80	200	12

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

LT SERIES · VERTICAL

Crane Duty Helical Gearboxes

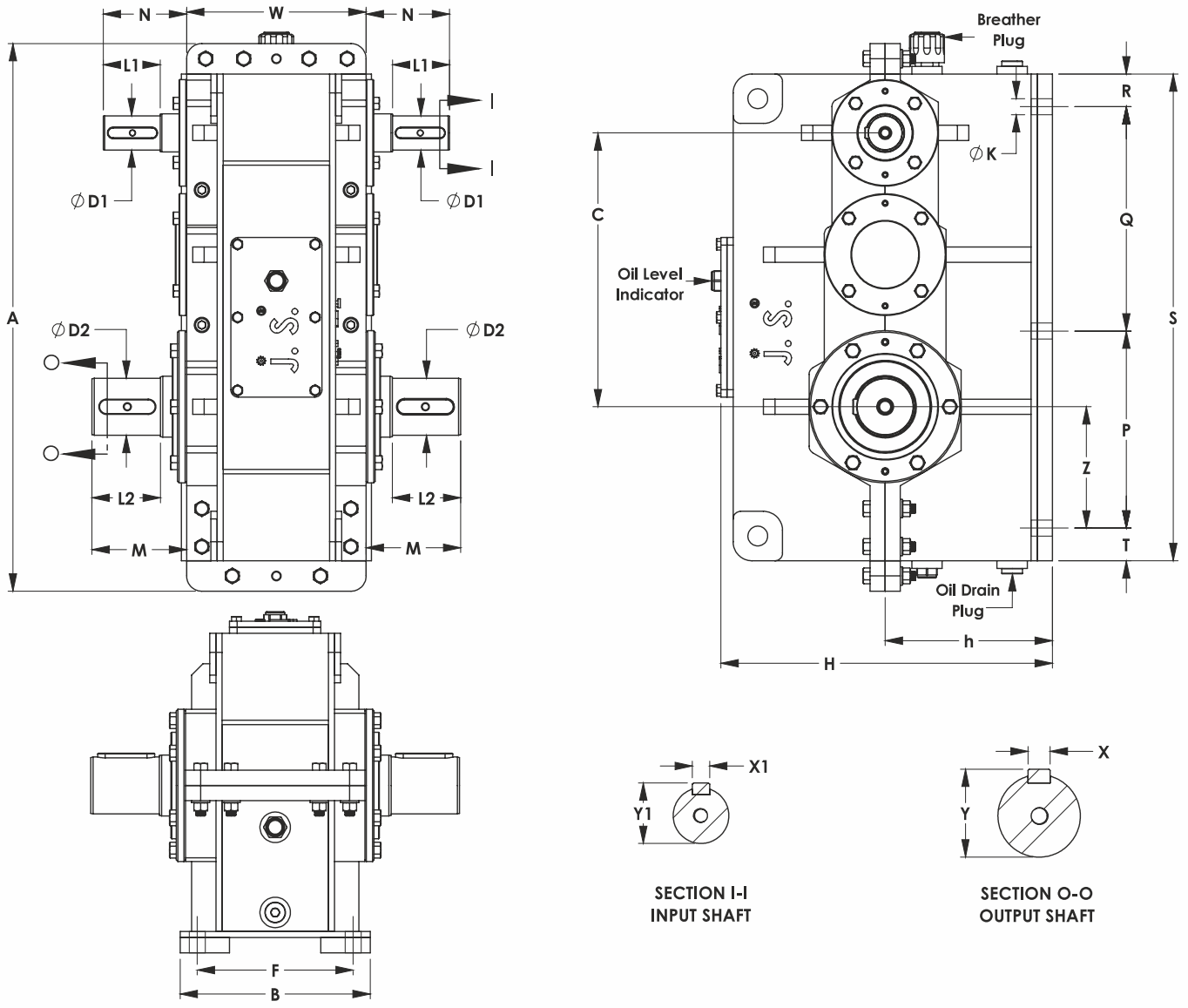
Two stage · Vertical mounted · Fabricated steel housing

FABRICATED

MODEL RANGE
LT-250 – LT-360

GENERAL ARRANGEMENT

ALL DIMENSIONS IN mm



SECTION I-I
INPUT SHAFT

SECTION O-O
OUTPUT SHAFT

DIMENSIONAL DATA

LT SERIES VERTICAL · FABRICATED

TYPE	INPUT SHAFT		OUTPUT SHAFT		DIMENSIONS (mm)																			AVG. WEIGHT*	OIL QTY*
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	kg	litre
LT-250	32	60	58	80	250	540	340	170	110	40	185	195	40	460	186	210	165	95	120	17	10	35.5	16	62.5	100	5
LT-305	32	60	65	80	305	650	420	210	155	40	245	245	40	570	196	210	170	100	108	19	10	35.5	18	69.5	140	9
LT-360	45	75	75	90	360	720	436	220	160	43	260	295	43	640	236	250	205	110	125	21	14	49	20	80	200	12

All dimensions in mm. * Average weight and oil quantity are indicative values. – Not applicable. Dimensions are subject to change in line with continuous product development; please request a certified GA drawing before installation.

LT SERIES · SELECTION

Two Stage Crane Duty Gearboxes

Input power ratings

MODEL RANGE
LT-250 – LT-360

NOMINAL RATING CHART

VALUES IN kW

SPEED			TWO STAGE LT SERIES · INPUT POWER RATING (kW)		
RATIO i	INPUT n1 rpm	OUTPUT n2 rpm	LT-250	LT-305	LT-360
6	1500	250	18	35	52.5
	1000	166.6	12	23.5	35.5
	750	125	9	18	27
8	1500	187.5	16	31	45.5
	1000	125	11	20.5	30
	750	93.7	8	15.5	23
10	1500	150	12.5	25	37
	1000	100	8.5	16.5	24.5
	750	75	6.5	12.5	18.5
12	1500	125	10.5	20	27.5
	1000	83.3	7	13.5	18.5
	750	62.5	5.5	10	14
14	1500	107.1	9	17.5	24
	1000	71.4	6	12	16
	750	53.5	4.5	9	12
16	1500	93.7	7.5	15	21.5
	1000	62.5	5	10	14.5
	750	46.8	4	7.5	11
18	1500	83.3	6.5	13.5	18.5
	1000	55.5	4.2	9.5	12.5
	750	41.6	3.2	7.5	9.5
20	1500	75	5.8	12	17.5
	1000	50	3.8	8.5	11.5
	750	37.5	2.9	6	9
22	1500	68.1	5.3	10.5	15
	1000	45.4	3.5	7	10
	750	34	2.6	5.5	8
26	1500	57.6	5	9.8	14
	1000	38.4	3.2	6.5	9.4
	750	28.8	2.5	5.1	7.5

Nominal power ratings in kW at the stated input speed. Output speeds are nominal. Ratings are subject to change in line with continuous product development; please consult J.S. Gear for application-specific selection.

J.S. GEAR · CATALOGUE 2027

Notes

For your selection details and references

J.S. Gear

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AHMEDABAD · INDIA

GET IN TOUCH

Contact Us

For gearbox selection, custom ratios, drawings or delivery, get in touch.

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www.jsgears.in

OUR PRODUCT RANGE

- Crane Duty Gearboxes · HC, HD, LT Series
- Helical & Parallel Shaft Gearboxes
- HT Series Geared Motors
- Extruder Duty Gearboxes

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