



# Liftchain Hydraulic BOP Handling System

25-200 tons



**Articulated trolley** allows up to 20 degree side pulling operation

**Orbital Motor** provides reliable and efficient operation

**Limit switch** for upper and lower over-travel protection

**Corrosion resistant** load chain.

**Bottom block** mounted on bearing with external lubrication point and water drain

**Corrosion Resistant** marine grade paint

**Automatic Fail-Safe, multi disc,** motor brake on hoist

**Rugged Cast Iron and Steel** construction delivers long-life and durability

Available with bottom hook or clevis

Ideal for:



Onshore

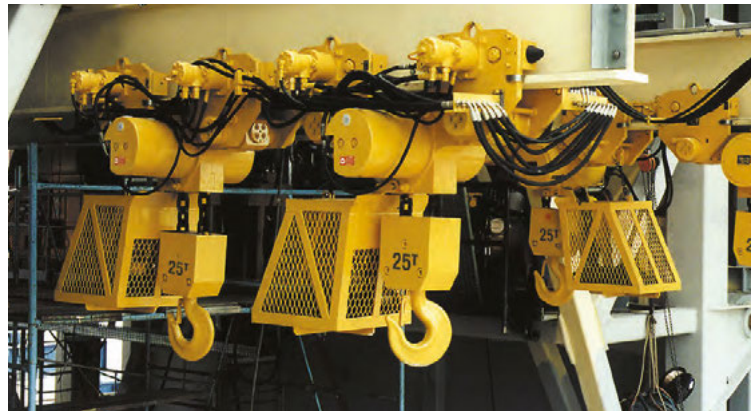
Offshore



# Liftchain Hydraulic BOP Handling System

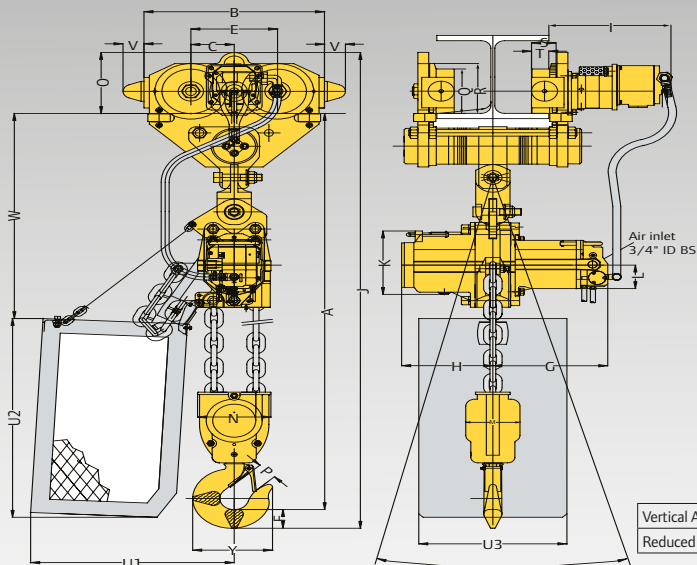
25-200 tons

Ingersoll Rand's Liftchain Hydraulic BOP (Blowout Preventer) Handling systems are driven by reliable hydraulic motors. With an all-steel construction they are available in low and ultra-low headroom models to handle your BOP stack with ease.



General Characteristics									
Model	Lifting Capacity Metric Tons	Reeves of Chain	Standard Lift m (ft)	Standard Control Length m (ft)	Headroom mm (in)	Trolley Flange Adjustment Range mm (in)	Standard System Weight kg (lb)	Weight per Additional Meter of Lift kg (lb)	Wheel Loading per Pair kg (lb)
BS25	25 (12.5x2)	2	9 (30)	9 (30)	1,128 (44.4)	131-310 (5-12)	770 (1,694)	11.4 (25.08)	6,250 (13,750)
BS30	30 (15x2)	3	9 (30)	9 (30)	1,242 (48.9)	131-310 (5-12)	970 (2,134)	17.1 (37.62)	7,500 (16,500)
BS36	36 (18x2)	3	9 (30)	9 (30)	1,242 (48.9)	131-310 (5-12)	970 (2,134)	17.1 (37.62)	9,000 (19,800)
BS40	40 (20x2)	4	9 (30)	9 (30)	1,290 (50.8)	131-310 (5-12)	1,090 (2,398)	22.8 (50.16)	12,500 (27,500)
BS50Q	50 (25x2)	4	9 (30)	9 (30)	976 (38.4)	131-310 (5-12)	2,130 (4,686)	21.4 (47.08)	12,500 (27,500)
BS50	50 (25x2)	2	9 (30)	9 (30)	1,290 (50.8)	160-310 (6-12)	1,090 (2,398)	22.8 (50.16)	6,250 (13,750)
BS75	75 (37.5x2)	3	9 (30)	9 (30)	1,170 (46.1)	160-310 (6-12)	2,990 (6,578)	32.1 (70.62)	9,375 (20,625)
BS100	100 (50x2)	4	9 (30)	9 (30)	1,392 (54.8)	160-310 (6-12)	3,460 (7,612)	42.8 (94.16)	12,500 (27,500)
BS150	150 (75x2)	3	9 (30)	9 (30)	1,845 (72.6)	160-310 (6-12)	9,880 (21,736)	68.4 (150.48)	9,375 (20,625)
BS200	200 (100x2)	4	9 (30)	9 (30)	1,901 (74.8)	160-310 (6-12)	12,390 (27,258)	91.2 (200.64)	12,500 (27,500)

Performance											
Model	Lifting Capacity Metric Tons	Hoist Performance					Trolley Performance				
		Lifting Speed			Lowering speed m/min (fpm)	Nominal Hydraulic Flow m <sup>3</sup> /min (cfm)	Working Hydraulic Pressure m <sup>3</sup> /min (cfm)	Powered Trolley Traverse Speed <sup>(1)</sup> m/min (fpm)	Nominal Hydraulic Flow m <sup>3</sup> /min (cfm)	Working Hydraulic Pressure bar (psi)	Minimum Curve Radius dbA
		Full Load m/min (fpm)	No Load m/min (fpm)	Full Load m/min (fpm)							
BS25	25 (12.5x2)	2.8 (9.19)	2.8 (9.19)	2.8 (9.19)	48 (12.6)	140 (2,030)	15 (49)	10 (3)	140 (2,030)	3 (10)	
BS30	30 (15x2)	1.9 (6.23)	1.9 (6.23)	1.9 (6.23)	48 (12.6)	140 (2,030)	15 (49)	10 (3)	140 (2,030)	5 (16.4)	
BS36	36 (18x2)	1.9 (6.1)	1.9 (6.1)	1.9 (6.1)	48 (12.6)	140 (2,030)	15 (49)	10 (3)	140 (2,030)	5 (16.4)	
BS40	40 (20x2)	1.4 (4.1)	1.4 (4.1)	1.4 (4.1)	48 (12.6)	140 (2,030)	15 (49)	10 (3)	140 (2,030)	5 (16.4)	
BS50Q	50 (25x2)	1.4 (4.1)	1.4 (4.1)	1.4 (4.1)	48 (12.6)	140 (2,030)	15 (49)	10 (3)	140 (2,030)	5 (16.4)	
BS50	50 (25x2)	2.27 (7.45)	2.27 (7.45)	2.27 (7.45)	50 (13.2)	175 (2,538)	15 (49)	10 (3)	175 (2,538)	105 (344)	
BS75	75 (37.5x2)	1.51 (4.95)	1.51 (4.95)	1.51 (4.95)	50 (13.2)	180 (2,610)	15 (49)	10 (3)	180 (2,610)	105 (344)	
BS100	100 (50x2)	1.13 (3.7)	1.13 (3.7)	1.13 (3.7)	50 (13.2)	177 (2,567)	15 (49)	10 (3)	177 (2,567)	105 (344)	
BS150	150 (75x2)	0.48 (1.57)	0.48 (1.57)	0.48 (1.57)	35 (9.2)	140 (2,030)	15 (49)	35 (9)	140 (2,030)	130 (426)	
BS200	200 (100x2)	0.36 (1.18)	0.36 (1.18)	0.36 (1.18)	35 (9.2)	220 (3,190)	15 (49)	35 (9)	220 (3,190)	130 (426)	



Chain Container Dimensions for 9m (30 ft) standard lift <sup>(1)</sup>

Model	U1 mm (in)	U2 mm (in)	U3 mm (in)
BS25	565 (22.24)	720 (28.35)	400 (15.75)
BS30	565 (22.24)	720 (28.35)	400 (15.75)
BS36	565 (22.24)	720 (28.35)	400 (15.75)
BS40	565 (22.24)	720 (28.35)	550 (21.65)
BS50Q	565 (22.24)	720 (28.35)	550 (21.65)

<sup>(1)</sup> Chain containers are available with many other dimensions. Please contact your sales representative for details.

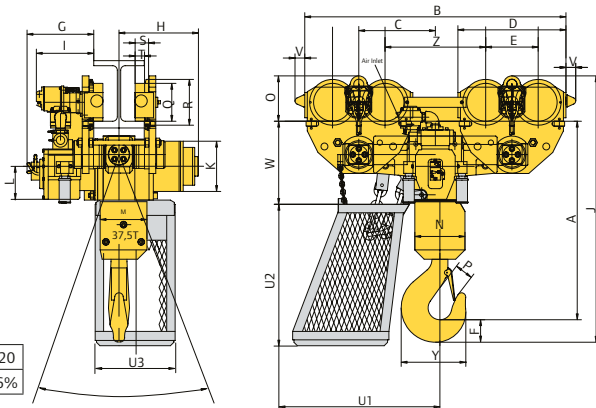
Vertical Angle	10	20
Reduced Working Capacity	2%	6%

Model	A	B	C	E	F	G	H	I	J	K	L
BS25	1,128 (44.41)	500 (19.68)	120 (4.72)	240 (9.45)	67 (2.64)	318 (12.52)	253 (9.96)	338 (14.05)	1,415 (55.7)	228 (8.98)	143 (5.63)
BS30	1,242 (48.9)	642 (25.27)	156 (6.14)	312 (12.28)	80 (3.15)	318 (12.52)	311 (12.24)	342 (13.46)	1,592 (62.68)	228 (8.98)	143 (5.63)
BS36	1,242 (48.9)	642 (25.27)	156 (6.14)	312 (12.28)	80 (3.15)	318 (12.52)	311 (12.24)	342 (13.46)	1,592 (62.68)	228 (8.98)	143 (5.63)
BS40	1,290 (50.79)	642 (25.27)	156 (6.14)	312 (12.28)	94 (3.7)	377 (14.84)	311 (12.24)	342 (13.46)	1,592 (62.68)	228 (8.98)	143 (5.63)
BS50Q	1,290 (50.79)	642 (25.27)	156 (6.14)	312 (12.28)	94 (3.7)	377 (14.84)	311 (12.24)	342 (13.46)	1,606 (63.23)	228 (8.98)	85 (3.34)

Model	M	N	O	P	Q	R	S	T	V	W	Y
BS25	150 (5.9)	203 (7.99)	220 (8.66)	58 (2.28)	160 (6.3)	200 (7.87)	48 (1.89)	68 (2.68)	58 (2.28)	739 (29.09)	222 (8.74)
BS30	200 (7.87)	206 (8.11)	270 (10.63)	78 (3.07)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	58 (2.28)	797 (31.38)	283 (11.14)
BS36	200 (7.87)	206 (8.11)	270 (10.63)	78 (3.07)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	58 (2.28)	797 (31.38)	283 (11.14)
BS40	200 (7.87)	235 (9.25)	270 (10.63)	87 (3.42)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	58 (2.28)	797 (31.38)	339 (13.35)
BS50Q	200 (7.87)	235 (9.25)	270 (10.63)	87 (3.42)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	58 (2.28)	797 (31.38)	339 (13.35)

Vertical Angle	10	20
Reduced Working Capacity	2%	6%



Chain Container Dimensions for 9m (30 ft) standard lift <sup>(1)</sup>

Model	U1 mm (in)	U2 mm (in)	U3 mm (in)
BS50	795 (31.3)	706 (27.8)	533 (21.0)
BS75	886 (34.9)	859 (33.8)	610 (24.0)
BS100	922 (36.3)	935 (36.8)	635 (25.0)

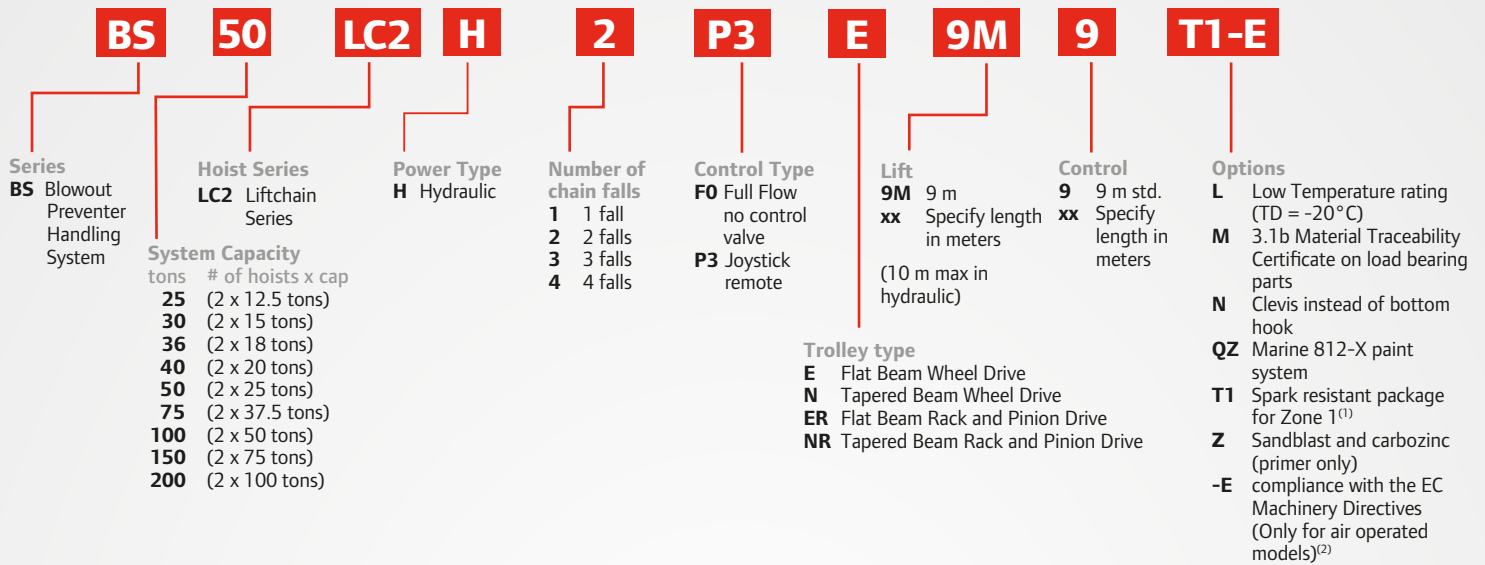
<sup>(1)</sup> Chain containers are available with many other dimensions. Please contact your sales representative for details.

Dimensions (mm)													
Model	A	B	C	D	E	F	G	H	I	J	K	L	M
BS50	976 (38.42)	1,240 (48.82)	370 (14.57)	500 (19.68)	240 (9.45)	97 (3.82)	446 (17.56)	265 (10.43)	357 (14.05)	1,293 (50.9)	298 (11.73)	137 (5.39)	190 (7.48)
BS75	1,170 (46.06)	1,552 (61.1)	455 (17.91)	642 (25.28)	312 (12.28)	132 (5.2)	500 (19.68)	372 (14.64)	360 (14.17)	1,572 (61.89)	298 (11.73)	137 (5.39)	278 (10.94)
BS100	1,392 (54.8)	1,552 (61.1)	455 (17.91)	642 (25.28)	312 (12.28)	152 (5.98)	500 (19.68)	372 (14.64)	360 (14.17)	1,662 (65.43)	298 (11.73)	137 (5.39)	281 (11.06)
BS150	1,845 (73)	3,254 (128)	906 (36)	642 (25)	312 (12)	190 (7)	528 (21)	684 (27)	360 (14.17)	2,305 (91)	298 (11.73)	199 (7.83)	490 (19.29)
BS200	1,901 (75)	3,254 (128)	906 (36)	642 (25)	312 (12)	212 (8)	528 (21)	684 (27)	360 (14.17)	2,383 (94)	298 (11.73)	199 (7.83)	430 (16.92)

Model	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
BS50	276 (10.87)	220 (8.66)	82 (3.23)	160 (6.3)	200 (7.87)	48 (1.89)	68 (2.68)	-	58 (2.28)	436 (17.16)	-	339 (13.35)	500 (19.68)
BS75	298 (11.73)	270 (10.63)	103 (4.05)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	-	58 (2.28)	494 (19.45)	-	384 (15.12)	598 (23.54)
BS100	352 (13.85)	270 (10.63)	118 (4.65)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	-	58 (2.28)	494 (19.45)	-	384 (15.12)	598 (23.54)
BS150	420 (16.53)	270 (10.63)	152 (5.98)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	-	58 (2.28)	790 (31.01)	488 (19.21)	574 (22.59)	700 (27.55)
BS200	490 (19.29)	270 (10.63)	180 (7.08)	225 (8.86)	272 (10.71)	56 (2.2)	80 (3.15)	-	58 (2.28)	790 (31.01)	488 (19.21)	606 (23.85)	700 (27.55)

## How to Order



### NOTES:

#### <sup>(1)</sup> Spark resistant option T1 includes:

##### For the hoist:

- Stainless steel pins and fasteners 10 mm and smaller
- 20µ zinc plated fasteners 11 mm and larger
- Cast iron pendant (air only)
- Bronze coated bottom hook assembly

##### For the trolley:

- Stainless steel pins and fasteners 10 mm and smaller
- 20µ zinc plated fasteners 11 mm and larger
- Solid bronze wheels
- Cast iron pendant (air only)

#### <sup>(2)</sup> EC Machinery Directives include:

- Overload protection
- Emergency stop button
- Main air shut off valve
- CE declaration of conformity



For More Information [www.ingersollrandproducts.com/lifting](http://www.ingersollrandproducts.com/lifting) [lifting@irco.com](mailto:lifting@irco.com)

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