35-25 MK3

HUMMA CRANE

- The Heavy Lifter
- Proven Low Operating Costs
- Proven Safe Operating History
- Proven Safe Driving At 100km/h
- Longest Boom in Its Class

MAX SWL. 35T @ 1.4M

Max Boom Length. 20.9M

Max Tip Height. 20.5M

AUSTRALIAN MADE

1971 - 2021 DRA GROUP 50 YEARS OF INNOVATION

BASE GROUP AUSTRALIA

35-25 MK3

HUMMA CRANE

- **Max SWL. 35T** @ 1.4M radius
- **SWL 30T** @ 2M radius
- **SWL 20.6T** @ 3M radius
- **SWL 2.35T** @ 17.4M radius
- **Max Boom Length.** 20.9M
- **Max Tip Height.** 20.5M
- **Single Line** pull 5T
- **Rhino Hook** 20T
- **Dynamic LMI** (Side Slope Derating)

The Humma UV35-25 35T crane is a highly versatile, high capacity pick and carry crane. The emphasis has been placed on operator safety and comfort while still retaining the toughness of a mine specialised vehicle.

The removable counterweight makes the crane at home either on a mine site operating at high capacity, or on the road at high speeds rushing between jobs. Airbag suspension provides the operator with an extremely stable, safe and smooth ride while at the same time reducing maintenance costs as there is no articulation and boom pivot wear. The automotive spec Cummins 8.3L engine is highly fuel efficient with up to 25% fuel savings over comparable machines. As standard, the engine is fitted with a Jacobs exhaust brake which supplies greater stopping power and greatly reduces wear in the standard braking system. All these features combine to produce a very low maintenance machine.

These features combined make the Humma UV35-25 the smart choice for a high capacity Mine & Road capable crane.

FULLY POWERED BOOM

Four fabricated booms fully powered to extend to an impressive 20.9m of length with no manual extension required. Over 26M of boom length with optional telescopic flyjib. Fully digital rope compensation. Under boom sliding hooks allowing for low clearance lifting.

AIRBAG SUSPENSION

Airbag suspension provides the operator with unparalleled levels of comfort. More importantly it removes all shock loading and vibration through the crane chassis. This results in very low maintenance costs with no line boring of articulation or boom pivots required.

4 CAMERA SYSTEM

A unique 4 camera colour system, featuring a rear and 2-side cameras, allows for full 360-degree vision.

A 4th camera is mounted onto the boom to monitor the winch drum.

3T COUNTER WEIGHT

Removable 3T counterweight design to allow for easy transport between sites but still retain high lifting capacity.

CLIMATE CONTROLLED CABIN

Separate roofmounted over sized air-conditioning and in dash heating systems. Designed for operation in the harshest Australian climates up to 45 degrees.

DYNAMIC 386 LMI

Fully dynamic 3B6 LMI with optional side slope deration built in for safe crane control. Separate colour LMI and crane instrumentation displays provide the operator with full control of their crane for easy viewing.

SPECIFICATIONS

ENGINE
» Cummins ISC285
» 213 KW 1085 NM
» Jacobs exhaust brake
» ADR 80/02 Compliant

TRANSMISSION
» Allison 3000SP
» Fully automatic 6 speed
» TC417 Converter

TRANSFER CASE
» ZF VG 750
» 2/4WD & Hi/Lo air shifted
» 2:1 low ratio 1:1 high ratio

AXLES
» Kessler D81PL477 high-speed planetary axles
» Wedge brake operation
» Rear axle diff lock
» Front wheel holding brake

TYRES AND RIMS
» 14.00 x 20 x 20 cross ply tyres
» 20"x 10" 10 stud 335 PCD wheels

SUSPENSION
» Airbag suspension with shock absorbers
» Front suspension lock pins for crane stability

HYDRAULICS
» Danfoss load sensing piston pump 147cc
» Automatically engaging electric emergency steering pump
» Electric proportional crane controls
» Suction, pressure and return hydraulic oil filtration
» Hydraulic oil cooling

TANK SIZE
» Diesel – 320L
» Hydraulic oil – 320L

CABIN
» Rubber mounted for vibration and noise isolation
» Driver and passenger air seat
» 4 colour camera system
» Adjustable steering wheel
» Separate heating and air conditioning units
» AC unit oversized for Australian conditions
» Murphy PV750 digital display with error logging
» Fully dynamic 3B6 Load Moment Indicator with optional side slope derating
» Dynamic load charts including side slope and stationary mode.

ARTICULATION
» 120mm diameter articulation and boom pivot pins with spherical bearings
» Adjustable articulation joint.

BOOMS
» 4 part booms fully fabricated
» Fully powered out to 20.5m
» Dual hydraulic cylinders
» 5T single line pull winch with tensioner
» 2 speed winch option
» Reeved 6 parts for 30T
» 20T Rhino hook

DIMENSION
» 10.7m long
» 2.7m wide
» 3.1m high
» 5.0m wheel base
» 5.0m inside wheel turning circle

AXLE LOADINGS
» Front axle 11,500kg
» Reat axle 11,800kg

The only Australian Made and Owned range of Pick and Carry Cranes.

2 year / 2000hr Warranty.

Major inspection at 15 year / 15000hrs.

Proven low maintenance design over 25 years.

Airbag suspension creating smooth stable drive with no shakes or death wobbles.

No wearing out of articulation joints and boom pivots or broken leaf springs.

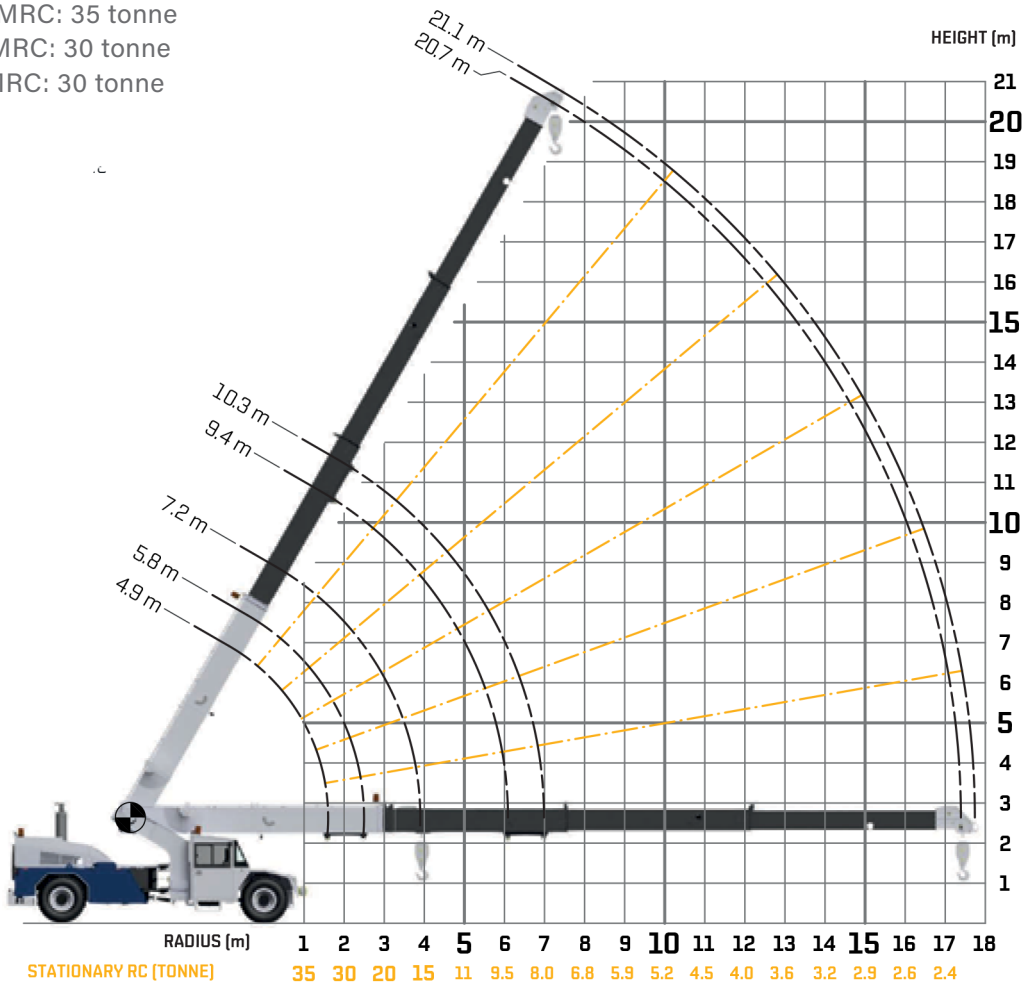
Automotive engine provides up to 25% fuel savings and smooth performance.

The longest fully powered boom to 26M with optional telescopic flyjib.

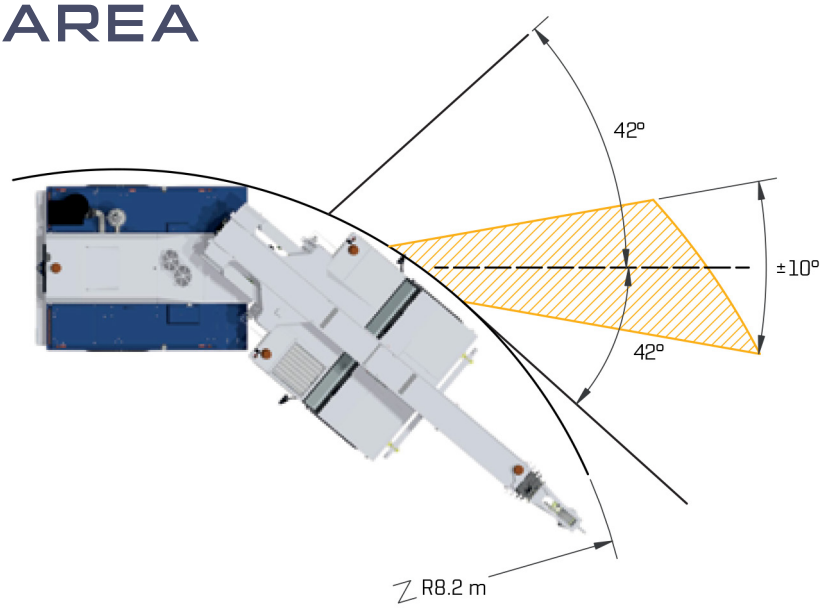
ALL LIFTING CONFIGURATIONS

MAXIMUM RATED CAPACITIES

Sliding Hook MRC: 35 tonne
Winch Hook MRC: 30 tonne
Rhino Hook MRC: 30 tonne



WORKING AREA



35-25 MK3

HUMMA CRANE

BASE GROUP AUSTRALIA

LOAD CHARTS

Revision 10

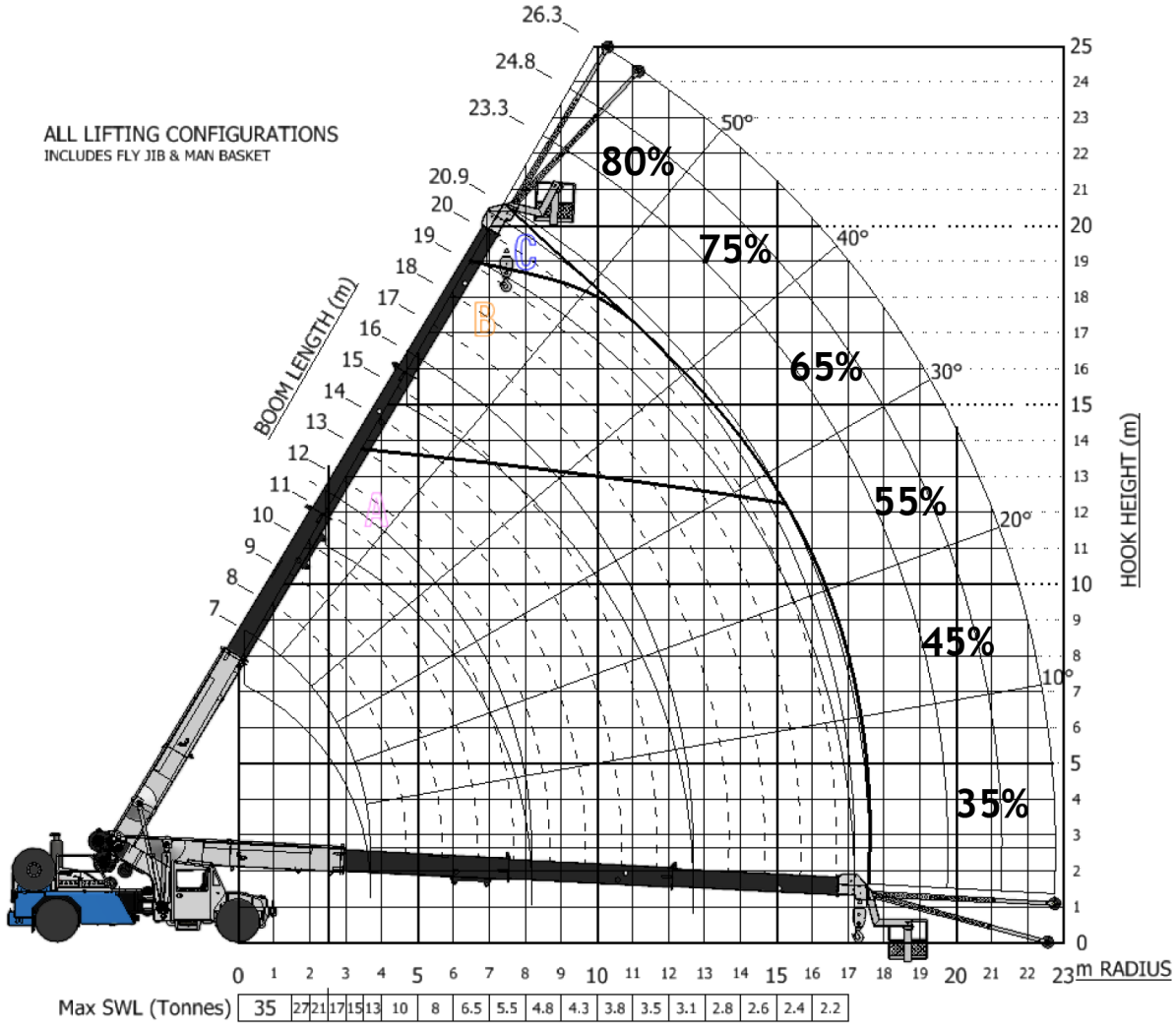
CONTAINS THE FOLLOWING LOAD CHARTS

- Main winch (Standard & Stationary)
- Sliding hook 1 & 2
- Rhino hook
- Fly-jib

HUMMA MOBILE CRANES

APPLICABLE TO RC20-20, UV25-25, UV35-25 MODELS

RANGE CHART No.253-10



OPERATOR MUST FOLLOW SIDE SLOPE OPERATION INSTRUCTIONS

1. Percentage deration chart based on 66.6% of stability as per asn 1418.5 with the crane on firm side slope of 5 degrees (8.75% Gradient)
2. Percentage deration for use on main boom only
3. Percentage deration is applied to the rated capacity read from the chart

SWL (@5 DEGREES) = SWL - % (DERATE) X (SWL) / 100%

OPERATION ON THE SIDE SLOPES

Mobile cranes are primarily designed to be used on firm, flat, level ground (to within 1% gradient), according to AS 1418.5, any deviation from this requires

- that the Rated Capacity shall be reduced accordingly. As per AS 2550.5- negotiation of slopes by mobile crane travelling with suspended loads should be avoided. The following precaution should be taken when operation on side slopes of up to 5°(8.75% gradient) – **REMEMBER** surface depressions and potholes will create the same effect s side slope.

- Ensure the tyres are correctly **INFLATED** as per inflation chart.

- Ensure the ground condition is consistent and **FIRM** enough to support the axle loads.

- **REDUCE** the rated capacity of the crane by the percentage value for the crane as shown in chart 253-10 for operation on side slopes up to 5°(8.75% gradient) – **REMEMBER** the crane's load indicator will NOT automatically derate the rated capacity.

- Use the crane's side slope inclinometer as a guide only, it is most accurate when the crane's articulation is straight ahead without suspending a load. All articulated chassis crane will shown some degree of side tilt, when articulated with a load – this should not be confused with the ground's side slope.

- Use the **MINIMUM** boom length and boom angle practical to keep the boom tip as close to the ground as possible.

- Keep the load as **CLOSE** to the ground as possible.

- Use the **MINIMUM** articulation angle practical – **REMEMBER** the crane will side tilt and hence the hook will move toward the direction of the articulation whilst steering.

- Keep the load on the **UPHILL** of the crane where possible, especially when articulated – **REMEMBER** the working radius will increase if the load is suspended in the downhill position.

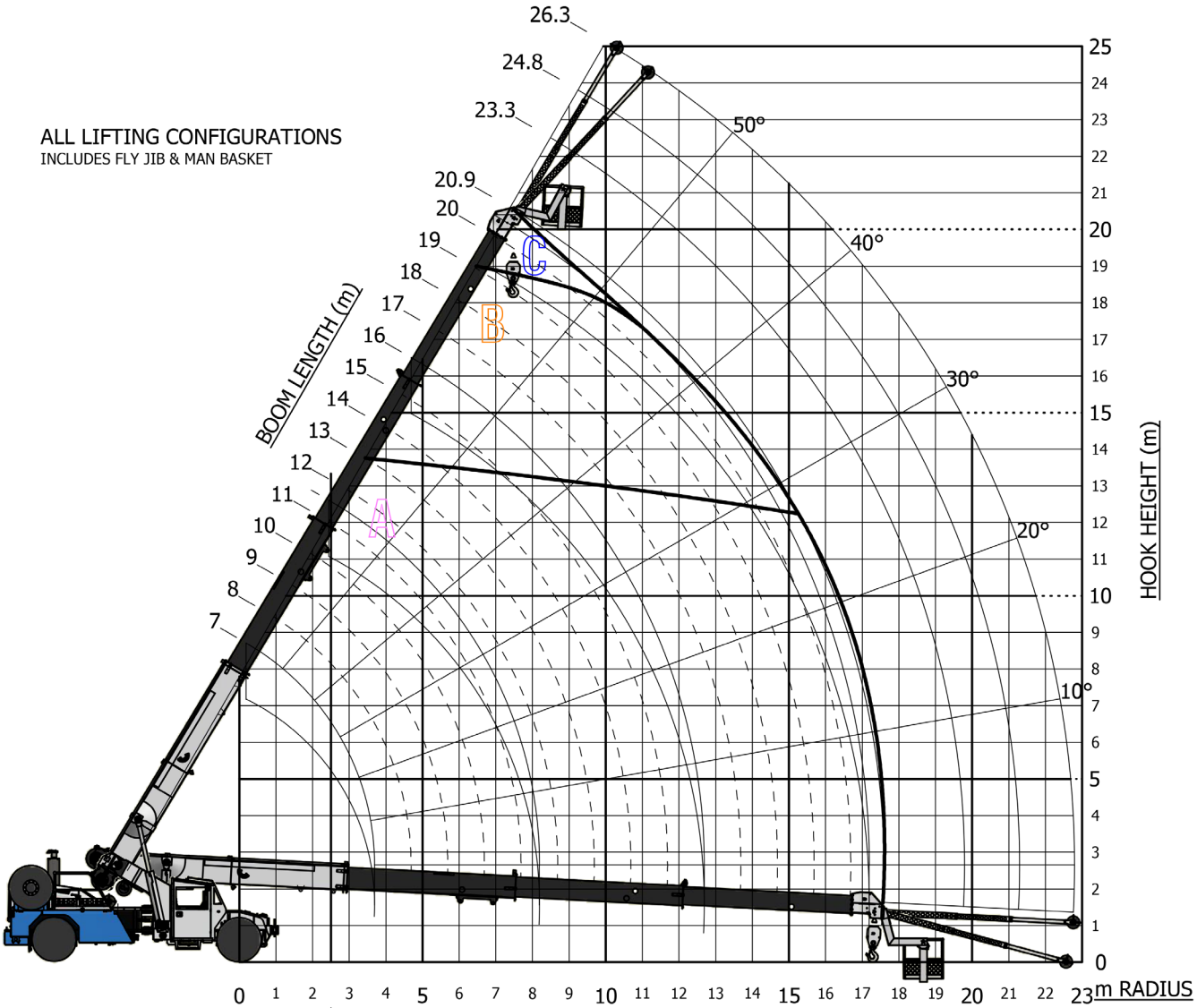
- Load swing greatly reduces stability – **REMEMBER** to tagline load to prevent pendulum motion of the load. Travel and crane motions should be applied gently to minimum this effect.

- The loads weight should be checked first by test lifting with the crane straight ahead. Side slope lifting is outside the capabilities of the Robway LMI.

REMEMBER: It is up to the operator to assess the situation and crane position. Side slope deration should only be used as a last resort if no other crane positions are available.

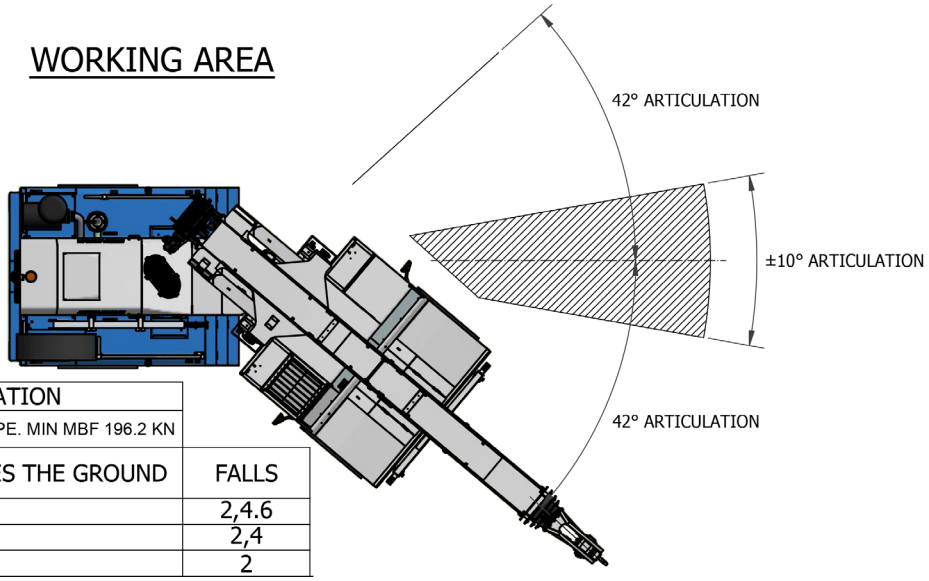
UV35-25 MOBILE CRANE

RANGE CHART No. 100-1



Max SWL (Tonnes)	35	27	21	17	15	13	10	8	6.5	5.5	4.8	4.3	3.8	3.5	3.1	2.8	2.6	2.4	2.2

WORKING AREA



Winch Safe Working Loads	
Single Part	5000kg
Two Parts	10000kg
Four Parts	20000kg
Six Parts	30000kg

WINCH ROPE SPECIFICATION	
16mm 35x7 G2070 NON ROTATING WIRE ROPE. MIN MBF 196.2 KN	
FALLS WHERE THE ROPE TOUCHES THE GROUND	FALLS
A	2,4,6
B	2,4
C	2

CRANE SPECIFICATIONS

TYRE SPECIFICATIONS

TYPE	SPEED CONDITION	LIFTED LOAD CONDITION	LOAD RATING	REQ. INFLATION PRESSURE
14.00-20 20PR DUAL TYRES	CREEP	<=35,000KG	12,948KG PER TYRE	125PSI
	80KM/HR	NO LOAD	N/A	90PSI

WIRE ROPE SPECIFICATIONS

LOCATION	DIAMETER	MIN. BREAKING FORCE (MBF)	CONSTRUCTION
MAIN WINCH ROPE	Ø16mm	251KN	35X7 NON-ROTATING, RHLL, GRADE 2160, 100M LONG, SOLID HEART THIMBLE ONE END, BRAZED OTHER END
INTERNAL EX-TENSION ROPES	Ø16mm	251KN	35X7 NON-ROTATING, RHLL, GRADE 2160, 6.18M LONG, SOLID HEART THIMBLES BOTH ENDS

COUNTERWEIGHTS

LOCATION	PART NUMBER	WEIGHT
REAR OF CRANE	UV35-284-00	3,000KG

WINCH RATED CAPACITITES

ROPE FALLS	MAX LIFTED LOAD (WINCH)
1	5,000KG
2	10,000KG
4	20,000KG
6	30,000KG

LIFTING ATTACHMENT SPECIFICATIONS

NAME	PART NUMBER	TARE WEIGHT
6 FALL HOOK BLOCK	UV35-401-00A	166KG
30T SWIVEL HOOK	SUP00285	35KG
SPREADER BAR	SB-00-00	100KG
3 PART FLYJIB	FJ-00-00A	150KG
FLYJIB HOOKBLOCK	FJHB-00-00	50KG

DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS

AS 1418.5-2002 and AS 2550.5-2002

LOAD CHARTS

RATED CAPACITY CHART 103, 104

RATED CAPACITIES ON SLIDING HOOK 1 (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SLIDING HOOK 1 IN KILOGRAMS									103 LMI CHART	
NO COUNTERWEIGHT									104 LMI CHART	
	BOOM LENGTH									
RADIUS	4.91	5.5	6	6.5	7	7.5	8	8.5	9	9.41
1.5	28342	28071	28162	28222	28266	28300	28328	28350	28368	
	25037	24837	24927	22785	20997	19570	18398	17416	16579	
	1.47	32	40	45	49	53	55	58	60	
2		19645	20541	20608	20653	20687	20713	20734	20751	20763
		17288	18115	18182	17211	15913	14867	14002	13271	12752
		2.06	30	38	43	47	51	54	56	58
2.5			15415	16024	16077	16113	16140	16161	16178	16190
			13519	14083	14136	13791	12790	11977	11300	10822
			2.56	29	36	42	46	49	52	54
3				12569	13014	13057	13087	13109	13127	13139
				10982	11396	11440	11459	10657	10002	9545
				3.06	27	35	40	44	48	50
3.5					10522	10864	10901	10926	10945	10958
					9159	9478	9514	9540	9096	8645
					3.56	26	34	39	43	46
4						8980	9253	9284	9306	9320
						7785	8040	8071	8093	7987
						4.06	25	32	37	41
4.5							7776	7999	8027	8043
							6712	6921	6949	6965
							4.56	24	31	36
5								6811	6997	7018
								5851	6027	6047
								5.06	24	29
5.5		GREEN 10 DEG ARTICULATION							6018	6172
		YELLOW 42 DEG ARTICULATION							5146	5290
		UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							5.56	21
6.08										5468
										4655
										5.97

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 303, 304

RATED CAPACITIES ON SLIDING HOOK 1 (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SLIDING HOOK 1 IN KILOGRAMS									303 LMI CHART	
3000KG COUNTERWEIGHT									304 LMI CHART	
	BOOM LENGTH									
RADIUS	4.91	5.5	6	6.5	7	7.5	8	8.5	9	9.41
	35000	35000	35000	35000	35000	35000	35000	35000	35000	
1.5	32085	31734	31825	29075	26782	24955	23455	22199	21129	
	1.47	32	40	45	49	53	55	58	60	
		25511	26577	26643	26689	26722	26748	26769	26787	26799
2		22315	23288	23355	22096	20420	19072	17958	17018	16349
		2.06	30	38	43	47	51	54	56	58
			20135	20853	20905	20941	20968	20990	21007	21019
2.5			17563	18222	18274	17819	16518	15463	14584	13965
			2.56	29	36	42	46	49	52	54
				16516	17038	17081	17111	17133	17151	17163
3				14366	14845	14888	14904	13855	12998	12401
				3.06	27	35	40	44	48	50
					13915	14313	14350	14375	14394	14407
3.5					12067	12434	12470	12496	11908	11314
					3.56	26	34	39	43	46
						11955	12270	12302	12324	12338
4						10334	10626	10657	10679	10535
						4.06	25	32	37	41
							10425	10682	10709	10725
4.5							8982	9220	9248	9264
							4.56	24	31	36
								9197	9411	9432
5								7897	8096	8117
								5.06	24	29
		GREEN 10 DEG ARTICULATION							8190	8367
5.5		YELLOW 42 DEG ARTICULATION							7007	7171
		UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							5.56	21
										7491
6.08										6389
										5.97

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 105, 106

RATED CAPACITIES ON SLIDING HOOK 2 (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SLIDING HOOK 2 IN KILOGRAMS	105 LMI CHART
NO COUNTERWEIGHT	106 LMI CHART

RADIUS	BOOM LENGTH										
	5.81	6	6.5	7	7.5	8	8.5	9	9.5	10	10.31
1.5	29060	29054	29034	29011	28989	28967	28947	28928			
	25825	25819	23684	21765	20238	18987	17941	17052			
	37	39	45	49	52	55	58	60			
2	21294	21299	21295	21283	21268	21253	21238	21223	21210	21197	
	18869	18873	18869	17914	16518	15396	14471	13691	13024	12447	
	25	30	37	43	47	50	53	56	58	60	
2.5	17570	16606	16639	16639	16631	16621	16610	16599	16588	16578	16572
	15521	14665	14699	14698	14374	13295	12422	11696	11080	10551	10258
	2.37	13	28	36	41	45	49	52	54	56	57
3		16117	13503	13533	13534	13529	13522	13513	13505	13497	13492
		14220	11886	11916	11917	11912	11095	10389	9798	9295	9018
		2.56	13	27	34	40	44	47	50	53	54
3.5			13156	11288	11314	11316	11313	11308	11301	11295	11290
			11569	9901	9928	9930	9927	9484	8899	8407	8139
			3.06	12	26	33	38	43	46	49	50
4				11027	9626	9650	9653	9651	9647	9642	9638
				9663	8413	8437	8440	8438	8246	7753	7487
				3.56	11	25	32	37	41	45	46
4.5					9422	8334	8355	8359	8357	8354	8352
					8227	7255	7277	7280	7279	7261	6991
					4.06	11	24	31	36	40	42
5						8170	7300	7320	7323	7323	7321
						7106	6329	6349	6353	6352	6351
						4.56	10	23	30	35	38
5.5							7165	6454	6472	6476	6476
							6206	5572	5590	5594	5594
							5.06	10	23	29	32
6		GREEN 10 DEG ARTICULATION						6341	5749	5766	5769
		YELLOW 42 DEG ARTICULATION						5468	4941	4958	4961
		UNDER LINED VALUES INDICATE RADIUS AT 0 DEG						5.56	10	22	26
6.5									5653	5153	5166
									4853	4407	4419
									6.06	9	18
6.977										5070	4677
										4331	3982
										6.56	0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 305, 306

RATED CAPACITIES ON SLIDING HOOK 2 (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SLIDING HOOK 2 IN KILOGRAMS											305 LMI CHART
3000KG COUNTERWEIGHT											306 LMI CHART
	BOOM LENGTH										
RADIUS	5.81	6	6.5	7	7.5	8	8.5	9	9.5	10	10.31
	35000	35000	35000	35000	35000	35000	35000	35000			
1.5	32752	32747	29845	27437	25521	23952	22640	21525			
	37	40	45	49	53	55	58	60			
	27347	27353	27353	27343	27330	27316	27302	27288	27276	27264	
2	24058	24065	24064	22714	20950	19534	18365	17381	16540	15811	
	26	30	38	43	47	51	54	56	58	60	
	22668	21444	21483	21485	21479	21470	21460	21450	21440	21430	21424
2.5	19890	18813	18852	18854	18341	16969	15859	14936	14154	13482	13110
	2.37	14	29	36	42	46	49	52	54	56	58
		20836	17534	17569	17572	17568	17562	17555	17547	17539	17535
3		18265	15342	15376	15380	15361	14253	13349	12594	11950	11596
		2.56	13	27	35	40	44	48	50	53	54
			17103	14742	14773	14777	14775	14771	14765	14759	14755
3.5			14953	12863	12894	12898	12896	12266	11513	10879	10533
			3.06	12	26	34	39	43	46	49	50
				14420	12649	12676	12680	12680	12676	12672	12669
4				12571	11004	11032	11036	11035	10741	10101	9756
				3.56	12	25	32	37	42	45	47
					12397	11020	11045	11050	11050	11047	11045
4.5					10776	9559	9583	9588	9588	9528	9175
					4.06	11	24	31	36	40	42
						10819	9718	9740	9745	9746	9745
5						9376	8402	8425	8430	8430	8429
						4.56	11	24	30	35	38
							9552	8652	8673	8678	8678
5.5							8252	7456	7477	7482	7483
							5.06	10	23	30	33
		GREEN 10 DEG ARTICULATION						8513	7764	7783	7787
6		YELLOW 42 DEG ARTICULATION						7330	6668	6687	6691
		UNDER LINED VALUES INDICATE RADIUS AT 0 DEG						5.56	10	22	27
									7646	7013	7027
6.5									6560	6001	6015
									6.06	10	18
										6911	6407
6.977										5908	5465
										6.56	0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 101, 102

RATED CAPACITIES ON MAIN WINCH ROPE (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SHEAVE HOOK IN KILOGRAMS NO COUNTERWEIGHT															101 LMI CHART 102 LMI CHART	
	BOOM LENGTH															
RAD	7.225	8	9	10	11	12	13	14	15	16	17	18	19	20	20.725	
1.4	30000	30000	30000	30000												
	23972	21544	19251	17555												
	50	54	59	62												
2	22152	22010	21862	21743	21645											
	18741	16624	14677	13261	12184											
	43	49	54	58	61											
3	14282	14174	14059	13966	13889	13665	13816									
	12665	12557	11211	9964	9038	8213	7778									
	29	38	46	51	55	59	61									
4	10998	10249	10155	10076	10010	9816	9948	10060	10158							
	9716	9036	8942	8375	7488	6711	6323	6000	5727							
	3.78	23	36	43	49	53	56	59	61							
5		8789	7807	7739	7681	7505	7626	7729	7818	7895	7964					
		7042	6836	6769	6593	5814	5447	5146	4894	4679	4493					
		4.56	22	34	41	46	50	54	57	59	61					
6			6849	6177	6126	5963	6077	6174	6258	6330	6394	6451	6502			
			5536	5369	5318	5155	4866	4575	4333	4129	3954	3801	3667			
			5.56	21	32	39	44	48	52	55	57	59	61			
7				5501	5013	4860	4970	5063	5143	5212	5273	5327	5376	5419	5448	
				4460	4320	4167	4277	4167	3930	3732	3563	3417	3289	3176	3102	
				6.56	19	31	38	43	47	50	53	55	57	59	60	
8					4509	4030	4138	4229	4306	4373	4432	4484	4531	4573	4600	
					3653	3424	3532	3622	3628	3430	3265	3123	3000	2891	2820	
					7.56	19	29	36	41	45	48	51	54	56	57	
9						3642	3489	3579	3655	3720	3778	3828	3874	3914	3941	
						2924	2950	3040	3116	3181	3030	2891	2770	2665	2596	
						8.56	18	28	35	40	44	47	50	52	54	
10							3178	3057	3133	3197	3254	3303	3348	3387	3413	
							2553	2572	2648	2712	2768	2701	2582	2479	2412	
							9.56	17	27	34	38	42	46	48	50	
11								2802	2704	2769	2825	2873	2917	2956	2982	
								2249	2263	2328	2383	2432	2425	2322	2256	
								10.56	17	26	33	37	41	44	46	
12									2492	2410	2466	2515	2558	2596	2622	
			GREEN 10 DEG ARTICULATION						1996	2006	2062	2111	2154	2189	2123	
			YELLOW 42 DEG ARTICULATION						11.56	16	25	32	36	40	42	
13			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							2230	2162	2211	2254	2292	2317	
										1781	1789	1838	1881	1919	1944	
										12.56	15	25	31	35	38	
14											2007	1949	1993	2031	2056	
											1598	1603	1646	1684	1709	
											13.56	15	24	30	33	
15												1815	1765	1804	1829	
												1438	1442	1480	1505	
												14.56	15	23	28	
16													1648	1604	1630	
													1299	1301	1326	
													15.56	14	21	
17														1501	1453	
														1176	1168	
														16.56	10	
17.39															1396	
															1117	
															0	

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 301, 302

RATED CAPACITIES ON MAIN WINCH ROPE (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON SHEAVE HOOK IN KILOGRAMS 3000KG COUNTERWEIGHT														301 LMI CHART 302 LMI CHART	
	BOOM LENGTH														
RAD	7.225	8	9	10	11	12	13	14	15	16	17	18	19	20	20.725
1.5	30000	30000	30000	30000											
	28739	25807	23044	21003											
	48	53	58	62											
2	28179	28036	27886	27766	27667										
	23714	21065	18625	16849	15494										
	43	49	54	58	61										
3	18301	18192	18076	17982	17905	17680	17831								
	16109	16000	14346	12770	11598	10580	9993								
	29	38	46	51	55	58	61								
4	14189	13264	13168	13088	13022	12827	12959	13072	13169						
	12451	11620	11524	10836	9705	8741	8206	7765	7393						
	3.78	23	35	43	48	53	56	59	61						
5		11438	10219	10150	10091	9914	10035	10138	10227	10305	10373				
		9995	8903	8835	8637	7665	7150	6730	6380	6084	5828				
		4.56	22	34	41	46	50	54	57	59	61				
6			9021	8187	8136	7972	8085	8182	8266	8338	8402	8459	8510		
			7838	7091	7039	6875	6466	6051	5711	5424	5179	4967	4782		
			5.56	20	32	39	44	48	52	55	57	59	61		
7				7341	6736	6582	6692	6784	6864	6934	6995	7049	7097	7140	7169
				6338	5796	5643	5752	5582	5240	4957	4717	4511	4331	4173	4069
				6.56	19	30	37	43	47	50	53	55	57	59	60
8					6106	5538	5645	5735	5813	5880	5938	5991	6037	6079	6107
					5236	4715	4823	4913	4900	4612	4372	4168	3992	3837	3737
					7.56	19	29	36	41	45	48	51	54	56	57
9						5052	4829	4919	4994	5059	5117	5167	5213	5253	5280
						4284	4098	4188	4263	4329	4109	3904	3728	3575	3476
						8.56	18	28	35	40	44	47	50	52	54
10							4441	4263	4339	4403	4459	4509	4553	4592	4619
							3753	3605	3681	3745	3801	3695	3517	3364	3266
							9.56	17	27	34	38	42	46	48	50
11								3946	3801	3865	3921	3969	4013	4052	4077
								3323	3203	3267	3323	3371	3348	3193	3093
								10.56	16	26	33	37	41	44	46
12									3536	3415	3471	3520	3563	3601	3626
			GREEN 10 DEG ARTICULATION						2967	2867	2923	2972	3014	3052	2950
			YELLOW 42 DEG ARTICULATION						11.56	16	25	32	36	40	42
			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							3192	3090	3139	3181	3219	3244
13										2668	2584	2633	2675	2713	2738
										12.56	15	25	31	35	38
14											2898	2811	2854	2892	2917
											2413	2341	2384	2422	2447
											13.56	15	24	30	33
15												2645	2569	2608	2633
												2193	2131	2169	2194
												14.56	15	23	28
16													2424	2358	2384
													2001	1947	1972
													15.56	14	21
17														2230	2163
														1832	1776
														16.56	10
17.39															2090
															1712
															0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 107, 108

RATED CAPACITIES ON RHINO HOOK (Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON RHINO HOOK IN KILOGRAMS
NO COUNTERWEIGHT

107 LMI CHART
108 LMI CHART

RAD	BOOM LENGTH														
	7.57	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.5	20000	20000	20000	20000											
	20000	20000	18294	16650											
	51	54	58	62											
2	20000	20000	20000	20000	20000										
	17826	16724	14752	13321	12232										
	46	49	54	59	62										
3	14435	14368	14235	14128	14039	13735	13881								
	12818	12751	11305	10038	9099	8216	7780								
	34	38	46	51	56	59	61								
4	10463	10414	10304	10213	10137	9872	10001	10111	10205						
	9250	9201	9091	8463	7560	6723	6332	6007	5733						
	13	23	36	43	49	53	56	59	61						
5		8940	7940	7861	7794	7554	7672	7773	7859	7935	8001				
		7876	6969	6891	6675	5833	5462	5158	4904	4687	4499				
		4.56	22	34	41	47	51	54	57	59	61				
6			6973	6289	6230	6007	6118	6213	6295	6366	6428	6484	6533		
			6100	5480	5421	5198	4886	4590	4347	4140	3963	3809	3674		
			5.56	21	32	39	45	49	52	55	57	59	61		
7				5605	5109	4900	5007	5098	5177	5245	5304	5357	5404	5446	5485
				4866	4416	4206	4314	4187	3946	3746	3575	3427	3298	3184	3083
				6.56	20	31	38	43	47	50	53	55	57	59	61
8					4600	4066	4173	4262	4337	4403	4461	4512	4557	4598	4635
					3958	3459	3566	3655	3647	3447	3279	3136	3011	2901	2804
					7.56	19	30	36	41	45	49	51	54	56	58
9						3674	3521	3609	3684	3748	3805	3854	3898	3938	3974
						3107	2981	3070	3145	3209	3047	2905	2783	2676	2582
						8.56	18	28	35	40	44	47	50	52	54
10							3207	3085	3160	3224	3279	3328	3371	3410	3445
							2699	2600	2675	2739	2794	2717	2596	2491	2399
							9.56	17	27	34	39	43	46	49	51
11								2828	2730	2794	2849	2897	2939	2977	3012
								2369	2289	2353	2408	2456	2441	2336	2246
								10.56	17	26	33	37	41	45	47
12			GREEN 10 DEG ARTICULATION						2515	2434	2489	2537	2579	2617	2651
			YELLOW 42 DEG ARTICULATION						11.56	16	26	32	36	40	43
13			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							2252	2183	2232	2274	2312	2345
										1866	1810	1859	1901	1938	1972
										12.56	16	25	31	35	39
14											2028	1969	2012	2050	2083
											1670	1623	1666	1703	1736
											13.56	15	24	30	35
15												1834	1784	1822	1855
												1501	1460	1499	1532
												14.56	15	24	29
16													1665	1622	1656
													1354	1318	1353
													15.56	14	23
17														1517	1479
														1224	1193
														16.56	14
17.74															1386
															1109
															17.56

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 307, 308

RATED CAPACITIES ON RHINO HOOK(Kilograms)

± 10°, ± 42° ARTICULATION

CAPACITIES ON RHINO HOOK IN KILOGRAMS
3000KG COUNTERWEIGHT

307 LMI CHART
308 LMI CHART

RAD	BOOM LENGTH														
	7.57	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.5	20000	20000	20000	20000											
	20000	20000	20000	20000											
	51	54	58	62											
2	20000	20000	20000	20000	20000										
	20000	20000	18632	16850	15492										
	46	49	54	59	62										
3	18459	18392	18259	18152	18063	17759	17905								
	16266	16200	14395	12805	11625	10555	9968								
	34	38	46	51	56	59	61								
4	13481	13432	13322	13231	13155	12890	13019	13129	13223						
	11837	11787	11678	10895	9751	8731	8195	7753	7382						
	13	23	36	43	49	53	56	59	61						
5		11588	10354	10276	10209	9968	10086	10187	10274	10349	10416				
		10146	9039	8960	8700	7666	7148	6727	6377	6079	5823				
		4.56	22	34	41	47	51	54	57	59	61				
6			9145	8301	8242	8019	8130	8225	8307	8378	8440	8495	8545		
			7961	7205	7146	6922	6472	6055	5713	5425	5179	4967	4781		
			5.56	21	32	39	45	49	52	55	57	59	61		
7				7446	6833	6624	6732	6823	6901	6969	7029	7082	7129	7171	7209
				6443	5894	5684	5792	5592	5247	4962	4721	4514	4333	4174	4034
				6.56	20	31	38	43	47	50	53	55	57	59	61
8					6197	5574	5682	5771	5846	5912	5970	6021	6066	6107	6144
					5327	4752	4860	4948	4911	4621	4380	4174	3997	3841	3704
					7.56	19	30	36	41	45	49	51	54	56	58
9						5084	4862	4951	5025	5090	5146	5195	5240	5279	5315
						4316	4131	4220	4294	4359	4119	3912	3735	3581	3446
						8.56	18	28	35	40	44	47	50	52	54
10							4470	4292	4367	4431	4486	4535	4578	4617	4652
							3782	3635	3710	3773	3829	3707	3527	3373	3238
							9.56	17	27	34	39	43	46	49	51
11								3972	3827	3891	3946	3994	4037	4075	4109
								3349	3229	3293	3348	3396	3360	3203	3067
								10.56	17	26	33	37	41	45	47
12									3560	3440	3495	3543	3585	3623	3657
			GREEN 10 DEG ARTICULATION						2991	2891	2947	2995	3037	3064	2925
			YELLOW 42 DEG ARTICULATION						11.56	16	26	32	36	40	43
13			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							3213	3112	3161	3203	3240	3274
										2689	2606	2655	2697	2734	2768
										12.56	16	25	31	35	39
14											2918	2832	2874	2912	2945
											2433	2362	2405	2442	2475
											13.56	15	24	30	35
15												2663	2589	2627	2660
												2211	2150	2188	2222
												14.56	15	24	29
16													2441	2376	2410
													2019	1965	1999
													15.56	14	23
17														2246	2189
														1849	1802
														16.56	14
17.74															2073
															1699
															17.56

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 109, 110

RATED CAPACITIES ON MAIN WINCH ROPE (Kilograms)

± 10°, ± 42° ARTICULATION - NO PICK AND CARRY PERMITTED

CAPACITIES ON SHEAVE HOOK IN KILOGRAMS
NO COUNTERWEIGHT

109 LMI CHART
110 LMI CHART

RAD	BOOM LENGTH														
	7.225	8	9	10	11	12	13	14	15	16	17	18	19	20	20.725
1.5	30000	30000	30000	30000											
	25707	23053	20556	18714											
	48	53	58	62											
2	24911	24750	24582	24447	24336										
	21134	18745	16547	14949	13732										
	43	49	54	58	61										
3	16062	15939	15809	15703	15616	15363	15533								
	14243	14120	12635	11228	10184	9252	8763								
	29	38	46	51	55	58	61								
4	12373	11527	11419	11329	11255	11035	11184	11311	11420						
	10930	10162	10055	9436	8436	7559	7122	6758	6451						
	3.78	23	35	43	48	53	56	59	61						
5		9888	8780	8703	8637	8438	8574	8690	8790	8877	8954				
		8690	7688	7611	7426	6548	6135	5796	5511	5269	5059				
		4.56	22	34	41	46	50	54	57	59	61				
6			7705	6947	6889	6705	6833	6942	7036	7117	7189	7253	7310		
			6723	6038	5979	5795	5480	5151	4879	4649	4452	4280	4128		
			5.56	20	32	39	44	48	52	55	57	59	61		
7				6188	5637	5465	5588	5692	5782	5860	5929	5990	6044	6093	6125
				5356	4858	4685	4808	4692	4424	4201	4011	3847	3703	3575	3492
				6.56	19	30	37	43	47	50	53	55	57	59	60
8					5073	4532	4653	4755	4842	4917	4983	5042	5094	5141	5172
					4350	3850	3971	4073	4084	3862	3676	3516	3377	3255	3175
					7.56	19	29	36	41	45	48	51	54	56	57
9						4097	3924	4024	4109	4183	4247	4304	4355	4401	4431
						3459	3317	3418	3503	3577	3411	3254	3118	2999	2922
						8.56	18	28	35	40	44	47	50	52	54
10							3576	3438	3523	3595	3658	3714	3764	3808	3838
							3004	2892	2977	3049	3113	3040	2906	2790	2714
							9.56	17	27	34	38	42	46	48	50
11								3153	3041	3114	3176	3231	3280	3324	3353
								2636	2545	2617	2680	2735	2729	2614	2539
								10.56	16	26	33	37	41	44	46
12									2803	2711	2773	2828	2876	2919	2948
			GREEN 10 DEG ARTICULATION						2331	2256	2319	2373	2421	2463	2390
			YELLOW 42 DEG ARTICULATION						11.56	16	25	32	36	40	42
13			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							2509	2431	2486	2534	2577	2605
										2074	2012	2066	2114	2157	2185
										12.56	15	25	31	35	38
14											2258	2192	2241	2283	2311
											1856	1802	1851	1893	1921
											13.56	15	24	30	33
15												2042	1985	2028	2056
												1667	1621	1664	1692
												14.56	15	23	28
16													1854	1804	1833
													1503	1463	1492
													15.56	14	21
17														1688	1634
														1359	1313
														16.56	10
17.39															1570
															1256
															0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 75% of tipping loads.
3. Stationary lift on firm level ground (<1° side slope). No mobility or articulation with load permitted.
4. Weight of slings to be added to load.
5. Lifting load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 309, 310

RATED CAPACITIES ON MAIN WINCH ROPE (Kilograms)

± 10°, ± 42° ARTICULATION - NO PICK AND CARRY PERMITTED

CAPACITIES ON SHEAVE HOOK IN KILOGRAMS — **309 LMI CHART**
3000KG COUNTERWEIGHT — **310 LMI CHART**

RAD	BOOM LENGTH														
	7.225	8	9	10	11	12	13	14	15	16	17	18	19	20	20.725
1.5	30000	30000	30000	30000											
	30000	29032	25924	23628											
	48	53	58	62											
2	30000	30000	30000	30000	30000										
	26678	23698	20953	18955	17431										
	43	49	54	58	61										
3	20589	20466	20336	20230	20143	19890	20060								
	18122	18000	16140	14366	13048	11903	11242								
	29	38	46	51	55	58	61								
4	15963	14922	14814	14724	14650	14431	14579	14706	14815						
	14007	13072	12964	12191	10918	9833	9232	8735	8318						
	3.78	23	35	43	48	53	56	59	61						
5		12867	11496	11419	11353	11154	11290	11406	11506	11593	11670				
		11244	10016	9939	9717	8623	8043	7571	7178	6844	6557				
		4.56	22	34	41	46	50	54	57	59	61				
6			10149	9211	9153	8968	9096	9205	9299	9381	9453	9517	9574		
			8817	7977	7919	7735	7274	6808	6424	6102	5827	5588	5379		
			5.56	20	32	39	44	48	52	55	57	59	61		
7				8259	7578	7405	7528	7632	7722	7800	7869	7930	7984	8033	8065
				7131	6520	6348	6471	6280	5895	5576	5307	5075	4872	4694	4578
				6.56	19	30	37	43	47	50	53	55	57	59	60
8					6869	6230	6351	6452	6539	6615	6681	6739	6792	6839	6870
					5890	5305	5426	5527	5512	5189	4919	4689	4491	4317	4204
					7.56	19	29	36	41	45	48	51	54	56	57
9						5684	5433	5533	5618	5692	5756	5813	5864	5910	5940
						4819	4611	4711	4796	4870	4623	4392	4194	4022	3910
						8.56	18	28	35	40	44	47	50	52	54
10							4996	4796	4881	4953	5016	5072	5122	5166	5196
							4222	4056	4141	4213	4277	4157	3957	3785	3674
							9.56	17	27	34	38	42	46	48	50
11								4439	4276	4348	4411	4466	4514	4558	4587
								3738	3603	3676	3738	3793	3767	3592	3480
								10.56	16	26	33	37	41	44	46
12									3978	3842	3905	3960	4008	4051	4080
			GREEN 10 DEG ARTICULATION						3338	3226	3289	3343	3391	3433	3319
			YELLOW 42 DEG ARTICULATION						11.56	16	25	32	36	40	42
13			UNDER LINED VALUES INDICATE RADIUS AT 0 DEG							3590	3476	3531	3579	3622	3650
										3001	2907	2962	3010	3052	3081
										12.56	15	25	31	35	38
14											3260	3162	3211	3253	3281
											2714	2634	2682	2725	2753
											13.56	15	24	30	33
15												2975	2891	2934	2962
												2467	2397	2440	2468
												14.56	15	23	28
16													2727	2653	2682
													2251	2191	2219
													15.56	14	21
17														2508	2433
														2062	1998
														16.56	10
17.39															2351
															1926
															0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 75% of tipping loads.
3. Stationary lift on firm level ground (<1° side slope). No mobility or articulation with load permitted.
4. Weight of slings to be added to load.
5. Lifting load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 401, 402, 403

RATED CAPACITIES ON MAIN WINCH ROPE USED IN CONJUNCTION WITH 3 PART EXTENDABLE FLY JIB (Kilograms)

± 42° ARTICULATION

CAPACITIES ON EXTENDABLE FLY JIB IN KILOGRAMS NO OFFSET			401 LMI CHART 23.3m 402 LMI CHART 24.8m 403 LMI CHART 26.3m
	BOOM LENGTH		
RADIUS	23.3	24.8	26.3
9	1100		
	59		
10	1050	600	460
	56	58	60
11	1000	550	440
	53	55	58
12	950	550	420
	49	52	55
13	900	500	400
	46	49	52
14	850	500	380
	43	46	49
15	800	450	360
	39	43	46
16	800	450	340
	35	39	43
17	750	450	320
	30	36	40
18	700	400	320
	24	31	36
19	700	400	300
	17	26	32
20	650	400	300
	19.97RAD @ 0 DEG	21	28
21		400	280
		12	23
22		400	280
		21.47RAD @ 0 DEG	16
23			280
			0

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

LOAD CHARTS

RATED CAPACITY CHART 404, 405, 406

RATED CAPACITIES ON MAIN WINCH ROPE USED IN CONJUNCTION WITH 3 PART EXTENDABLE FLY JIB (Kilograms) 12 DEGREE OFFSET

± 42° ARTICULATION

CAPACITIES ON EXTENDABLE FLY JIB IN KILOGRAMS 12 Deg OFFSET			404 LMI CHART 23.3m 405 LMI CHART 24.8m 406 LMI CHART 26.3m
	BOOM LENGTH		
RADIUS	23.25	24.72	26.18
9	920		
	59		
10	880	500	
	56	60	
11	840	480	370
	53	57	60
12	810	460	360
	50	54	57
13	780	440	340
	47	51	54
14	750	430	330
	43	48	52
15	730	420	320
	39	44	49
16	720	410	310
	35	41	45
17	720	410	300
	30	37	42
18	710	400	290
	25	33	39
19	710	400	280
	18	28	35
20	710	400	280
	19.92 RAD @0 deg	22	30
21		400	270
		12	25
22		410	270
		21.39 RAD @0 deg	18
23			280
			22.85 RAD @ 0 deg

NOTES

1. Designed to meet AS1418.1, AS1418.5 and AS3990.
2. Area enclosed by the red double line denotes structural limitations — all other rated capacities do not exceed 66.7% of tipping loads.
3. Lift and carry on firm level ground (<1° side slope). Load must be carried on the shortest possible boom and close to the ground. Maximum crane speed when loaded = 3 km/hr.
4. Weight of slings to be added to load.
5. Lifting and mobiling load must be done with air bags dumped.
6. TYRES: FRONT = 1400x20x20ply inflated to 828 kPa (120psi); REAR = 1400x20x20ply inflated to 690 kPa (100psi).

LIFTING ACCESSORIES WEIGHTS

These weights only apply to standard equipment supplied by CONSTRUCT ENGINEERING.

6 Fall hook block = 166 kg

6 Fall hook block hook = 28 kg

Single hook block = 42

Single hook block hook = 2 kg

Install unused fly-jib = 150 kg

WINCH LOAD CHART

Rope Falls	Winch Load (Kg)
1	5 000
2	10 000
4	20 000
6	30 000

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The manufacturer reserves the right to alter the product specification without notice.
*Road registration in approved states.