

# COSEM

## Complete Database

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### Cylinder

SL .N O.	DESC RIPTION	L	D	ST ROKE	Dia meter	Inner-D iameter	Length/Thi ckness	WEIGH	RS /K G	RATE	M/ C	Drill/ Weld	GR/HO	H C P L	O TH	Qu anti ty	Total
25	NUT				M24			8	40	rs_kg*weigh						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
2	FLANG E				300	220	50	diameter*inner_diameter*length_thickne ss*0.00785/1000	85	weigh*rs_kg	rate *0.5	0	0	0	wei gh* 3	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
3	RAM		2 0 0		140		750	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.2 5	0	d*3.142*length_thickness* 0.01*0.5	g r - h o	wei gh* 3	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
4	PISTON HEAD	1 0 0			130		100	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.4		l*3.142*length_thickness*0 .01*0.5		wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
5	PISTON NUT				0		0	1	85	weigh*rs_kg	rate *0.4	m_c* 0.15			wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
6	END COVER				200	110	100	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.2	m_c* 2			wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
7	END COVER NUT				0		0	1	85	weigh*rs_kg	rate *0.3	m_c* 0.1	0	0	wei gh* 3	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
8	SEAL BOX				200	110	180	(diameter^2-inner_diameter^2)*0.7854*l engh_thickness*0.00785/1000	85	weigh*rs_kg	rate *0.5	0			wei gh* 3	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
9	WIPER				100		200	(diameter^2)*0.7854*length_thickness*0	85	weigh*rs_kg	rate	m_c*	inner_diameter*3.142*lengt	g	wei	1	(rate+m_c+drill_weld+gr_h

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	RING							.00785/1000			*0.4	0.5	h_thickness*0.01*0.6	r - h o	gh* 4		o+hc_pl+oth)*quantity
10	GUIDE PIECE				100		200	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.3	0	inner_diameter*3.142*lengt h_thickness*0.01*0.6	g r - h o	wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
11	RAM PLATE				350		63	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.4	m_c* 0.5	inner_diameter*3.142*lengt h_thickness*0.01*0.6	g r - h o	wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
12	RAM PLATE				100		50	(diameter^2)*0.7854*length_thickness*0 .00785/1000	85	weigh*rs_kg	rate *0.4	m_c* 0.5	inner_diameter*3.142*lengt h_thickness*0.01*0.6	g r - h o	wei gh* 4	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
13	WIPER SEAL							1	75	weigh*rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
14	ROD SEAL							2	17 5	weigh*rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
15	PISTON SEAL							2	35 0	weigh*rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
16	ORING							2	50	weigh*rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
17	ORING							2	50	weigh*rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
18	TURCIT E ROD		2 0 0			2.5	d*3.145+15	2	65 0	weigh*rs_kg*length _thickness/1000						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
19	TURCIT E PISTON		1 0 0			2.5	l*3.145+15	2	65 0	weigh*rs_kg*length _thickness/1000						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity

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20	HARDW ARE								85 0	rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
21	PAINTIN G								15 00	rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
22	ASSY/T EST								45 00	rs_kg						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
23	RAM A DPATOR				100		40	(diameter^2)*0.7854*length_thickness*0 .00785/1000	70	weigh*rs_kg	rate *1	m_c* 0.25			wei gh* 3	1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
24	TURCIT E				15X2 .5	110	inner_diamet er*3.145+15	2	70 0	weigh*rs_kg*length _thickness/1000						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity
25	NUT				M24			8	40	rs_kg*weigh						1	(rate+m_c+drill_weld+gr_h o+hc_pl+oth)*quantity

## Power-Pack

SL.NO.	DESCRIPTION	MODEL NUMBER	MAKE	RATE	Quantity	Total
01	ELECTRIC MOTOR	5 HP TEFC 1500 RPM V1-CONST.	ROTOMOTIVE	15150	3	rate*quantity
02	BELL HOUSING	BH-B1-3-5	POLYHYDRON	3550	1	rate*quantity
03	RP PUMP	1RE 7F 14	POLYHYDRON	9690	1	rate*quantity
04	BELL HOUSING	BH-B1-3-5	POLYHYDRON	1450	1	rate*quantity
05	VANE PUMP	PVR150-50	YUKEN	6550	1	rate*quantity
06	AIR BREAHER	FSB 25	HYDROLINE	300	1	rate*quantity
07	OIL LEVEL INDICATOR	LG6-05	HYDROLINE	375	1	rate*quantity
08	RETURN LINE FILTER	TIF 2 08 25	HYDROLINE	1250	1	rate*quantity
09	SUCTION STRAINER	SC3 1.5" BSP	HYDROLINE	750	1	rate*quantity

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SL.NO.	DESCRIPTION	MODEL NUMBER	MAKE	RATE	Quantity	Total
10	RELIEF VALVE	DPRS06K02/400	POLYHYDRON	500	1	rate*quantity
11	PRESSURE CONTROL VALVE	PCM 20	POLYHYDRON	4750	1	rate*quantity
12	SOLENOID DC VALVE	DSG-01-2B2B-A240-N-50 ( SINGLE. SOL.)	POLYHYDRON	2485	2	rate*quantity
13	SOLENOID DC VALVE	DSG-01-3C2-A240-N-50 (E TYPE)	POLYHYDRON	3615	2	rate*quantity
14	PILOT OPTED DC VALVE	4DEP 20 J S-10X10/06	POLYHYDRON	9751	2	rate*quantity
15	PONR VALVE	CI30	POLYHYDRON	3200	2	rate*quantity
16	BREAK VALVE	CB 20	POLYHYDRON	3950	2	rate*quantity
17	PRESSUSE GAUGE ASSY	0-50 BAR (63 DIAL GLY FILLED )	-	1500	1	rate*quantity
18	MANIFOLD	120X120X120	HYDROPHYTHY	7500	1	rate*quantity
19	HARDWARE	-	-	2500	1	rate*quantity
20	PIPING	-	-	10500	1	rate*quantity
21	COPLING	-	-	2500	1	rate*quantity
22	PAINTING	-	-	1000	1	rate*quantity
23	AIR BLAST COOLER	-	-	18500	1	rate*quantity
24	ASSEMBLY & TESTING	-	-	8500	1	rate*quantity
25	OIL TANK	550 LTRS	HYDROPHYTHY	0	1	rate*quantity
26	SERVICE	-	HYDROPHYTHY	2500	1	rate*quantity

## Structure

SL.NO.	DESCRIPTION	Length	Breadth	Length/Thickness	Quantity	WEIGHT	RS/KG	RATE	M/C	Drill/Weld	TR	Total
1	TOP PLATE	880	630	100	1	length*breadth*length_thickness*0.000007854*quantity	95	weigh*rs_kg	rate*0.15	m_c*0.15	weigh*3	1
2	SUPPORT PLATE	700	100	30	1	length*breadth*length_thickness*0.000007854*quantity	80	weigh*rs_kg	rate*0.25	m_c*0.2	weigh*3	1

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SL.NO	DESCRIPTION	Length	Breadth	Length/Thickness	Quantity	WEIGHT	RS/KG	RATE	M/C	Drill/Weight	TR	Total
3	MOVING PLATE	880	640	100	1	length*breadth*length_thickness*0.000007854	95	weigh*rs_kg	rate*0.25	m_c*0.15	weigh*3	1
4	BOTTOM PLATE	880	630	110	1	length*breadth*length_thickness*0.000007854	95	weigh*rs_kg	rate*0.25	m_c*0.15	weigh*3	1
5	SUPPORT PLATE	1000	100	20	1	length*breadth*length_thickness*0.000007854*quantity	80	weigh*rs_kg	rate*0.25	m_c*0.2	weigh*3	1
6	BOOSTER PLATE	510	510	40	2	length*breadth*length_thickness*0.000007854*quantity	80	weigh*rs_kg	rate*0.25	m_c*0.2	weigh*3	1
7	HEATER	10		200	6	length*breadth*length_thickness*0.000007854*quantity	1500	quantity*rs_kg	rate*0.5	m_c*0.2	weigh*3	1
8	THERMO COUPLE	10		200	2	length*breadth*length_thickness*0.000007854*quantity	1250	quantity*rs_kg	rate*0.5	m_c*0.2	weigh*3	1
9	SHEET	10		200	4	length*breadth*length_thickness*0.000007854*quantity	1251	quantity*rs_kg	rate*0.5	m_c*0.2	weigh*3	1
10	TIE ROD	70		975	4	length^2*0.7854*length_thickness*quantity*0.000007854	6500	length_thickness*rs_kg*0.001*quantity	rate*0.15	m_c*0.25	weigh*3	1
11	NUT	130		40	16	length^2*0.7854*length_thickness*quantity*0.000007854	80	weigh*rs_kg	rate*1	m_c*0.25	weigh*3	1
12	SPLIT FLANGE	120	80	30	8	length*breadth*length_thickness*quantity*0.000007854	80	weigh*rs_kg	rate*0.6	m_c*0.2	weigh*3	1
13	TURCUIT	50		3.153*length	12		1500	rs_kg*quantity*length_thickness/1000				1
14	MS PLATE	450	200	10	6	length*2*breadth*length_thickness*quantity*0.000007854	70	weigh*rs_kg	0	rate*0.1	weigh*3	1
15	ANGLE	70	10	750	6	length*2*breadth*length_thickness*quantity*0.000007854	70	weigh*rs_kg	0	rate*0.1	weigh*3	1

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