



M021T - With Tilt Bracket

- Subsea cylinders with working pressure up to 210 bar.



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DESCRIPTION

Malm Orstad has developed and manufactured hydraulic cylinders for the oil and gas industry for a variety of applications in nearly 40 years. Our standard cylinder program forms the basis for adaptation of our customized cylinders.

Final specifications and materials, as well as buckling calculations, sizing and choice of attachments are agreed upon for each project. Pressure and function tests are carried out for each cylinder before delivery, and documentation is prepared in accordance with the project specifications.

All our standard cylinders are designed for subsea use and 210 bar working pressure.
Designed and calculated according to DNV 2.9

D	D1	D2	A1	A2	B	C	E	H	I	J	K	M	N	O	P	Q	R	F	T	U
25	12	35	102	90	Ø12	32,5	R 1/4"	20	35	10	25	10	12	30	Ø12	75	95	20	55	20
	16	35	102	90	Ø12	32,5	R 1/4"	20	35	10	25	10	12	30	Ø12	75	95	20	55	20
32	16	42	109	100	Ø15	36	R 1/4"	20	35	12	32	12	15	40	Ø15	80	105	25	62	25
	20	42	109	100	Ø15	36	R 1/4"	20	35	12	32	12	15	40	Ø15	80	105	25	62	25
40	20	50	125	115	Ø20	41	R 3/8"	20	42	15	40	16	20	50	Ø20	90	120	30	70	30
	25	50	125	115	Ø20	41	R 3/8"	20	42	15	40	16	20	50	Ø20	90	120	30	70	30
50	25	60	143	130	Ø25	46	R 3/8"	20	42	15	45	20	25	60	Ø25	100	135	40	80	40
	30	60	143	130	Ø25	46	R 3/8"	20	42	15	45	20	25	60	Ø25	100	135	40	80	40
65	30	80	170	165	Ø30	57	R 1/2"	22	55	20	55	22	30	70	Ø30	115	155	50	110	50
	40	80	170	165	Ø30	57	R 1/2"	22	55	20	55	22	30	70	Ø30	115	155	50	110	50
80	40	95	191	180	Ø35	64,5	R 1/2"	27	55	20	65	25	32	80	Ø35	135	180	60	125	60
	50	95	191	180	Ø35	64,5	R 1/2"	27	55	20	65	25	32	80	Ø35	135	180	60	125	60
100	50	115	241	240	Ø50	77,5	R 3/4"	30	79	30	83	35	40	106	Ø50	160	220	80	145	80
	60	115	241	240	Ø50	77,5	R 3/4"	30	79	30	83	35	40	106	Ø50	160	220	80	145	80
125	60	140	261	260	Ø60	90	R 3/4"	35	79	30	95	44	50	130	Ø60	200	275	90	170	90
	70	140	261	260	Ø60	90	R 3/4"	35	79	30	95	44	50	130	Ø60	200	275	90	170	90
	80	140	261	260	Ø60	90	R 3/4"	35	79	30	95	44	50	130	Ø60	200	275	90	170	90
140	70	160	293	280	Ø70	100	R 3/4"	36	84	30	103	49	60	146	Ø70	225	310	110	200	110
	80	160	293	280	Ø70	100	R 3/4"	36	84	30	103	49	60	146	Ø70	225	310	110	200	110
	90	160	293	280	Ø70	100	R 3/4"	36	84	30	103	49	60	146	Ø70	225	310	110	200	110
160	80	180	306	305	Ø80	115	R 1"	41	86	30	113	55	70	166	Ø80	255	350	125	220	125
	90	180	306	305	Ø80	115	R 1"	41	86	30	113	55	70	166	Ø80	255	350	125	220	125
	100	180	306	305	Ø80	115	R 1"	41	86	30	113	55	70	166	Ø80	255	350	125	220	125
180	90	200	328	320	Ø90	125	R 1"	43	86	30	123	60	80	186	Ø90	280	375	130	240	130
	100	200	328	320	Ø90	125	R 1"	43	86	30	123	60	80	186	Ø90	280	375	130	240	130
	110	200	328	320	Ø90	125	R 1"	43	86	30	123	60	80	186	Ø90	280	375	130	240	130
200	100	230	348	350	Ø100	140	R 1"	52	91	30	133	70	90	206	Ø100	305	410	150	290	150
	110	230	348	350	Ø100	140	R 1"	52	91	30	133	70	90	206	Ø100	305	410	150	290	150
	125	230	348	350	Ø100	140	R 1"	52	91	30	133	70	90	206	Ø100	305	410	150	290	150
220	110	254	370	370	Ø110	152	R 1"	57	96	30	143	70	100	226	Ø110	330	445	160	315	160
	125	254	370	370	Ø110	152	R 1"	57	96	30	143	70	100	226	Ø110	330	445	160	315	160
	140	254	370	370	Ø110	152	R 1"	57	96	30	143	70	100	226	Ø110	330	445	160	315	160
250	125	298	395	400	Ø120	174	R 1"	66	101	30	158	85	120	256	Ø120	380	495	180	365	180
	140	298	395	400	Ø120	174	R 1"	66	101	30	158	85	120	256	Ø120	380	495	180	365	180
	160	298	395	400	Ø120	174	R 1"	66	101	30	158	85	120	256	Ø120	380	495	180	365	180

