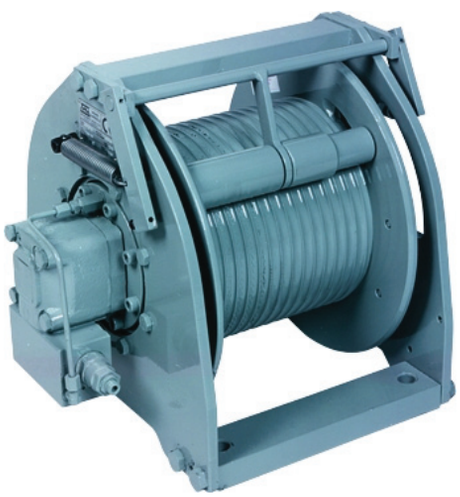
TN

HYDRAULIC AND ELECTRIC WINCHES

Cargo Lifting Winches

Also with Marine Surface treatment



- **Grooved Drums**
- **Wire ropes, Pulley Block and hooks**
- **Stainless Steel Press-cable rollers**
- **Empty Drum hydraulic By-pass**
- **Load limit systems**
- **Cable spooling / Level winding mechanisms**
- **ATEX suitable**
- **Various Motor / gearbox combinations**
- **Multiple Drum sizes available**
- **Stainless Steel piping**
- **Class Approvals**

Super compact hydraulic lifting winches designed to satisfy the needs of high performance within the smallest possible volume. Safe Working Load from 500 kg to 5700 kg. A size to suit every request.

Winch range	Winch model	Line pull 1st Layer kg	Drum Diameter mm	Cable Diameter mm	Drum capacity m	Line Speed m/min	Oil flow l/min	Working Pressure bar
TN	04	500	146	5	63	42	25	175
TN	05	600	146	6	42	52	30	180
TN	07	800	167	7	74	38	30	165
TN	09	1000	167	8	50	38	40	175
TN	14	1500	202	9	59	43	50	190
TN	18	2000	202	10	53	34	50	200
TN	22	2500	243	12	54	29	50	205
TN	28	3600	244	13	81	28	75	185
TN	30	3400	296	14	72	47	100	205
TN	32	4500	296	15	86	37	120	195
TN	40	4700	322	16	120	36	100	220
TN	50	5200	322	16	120	28	100	210
TN	51	5700	343	18	127	27	100	205

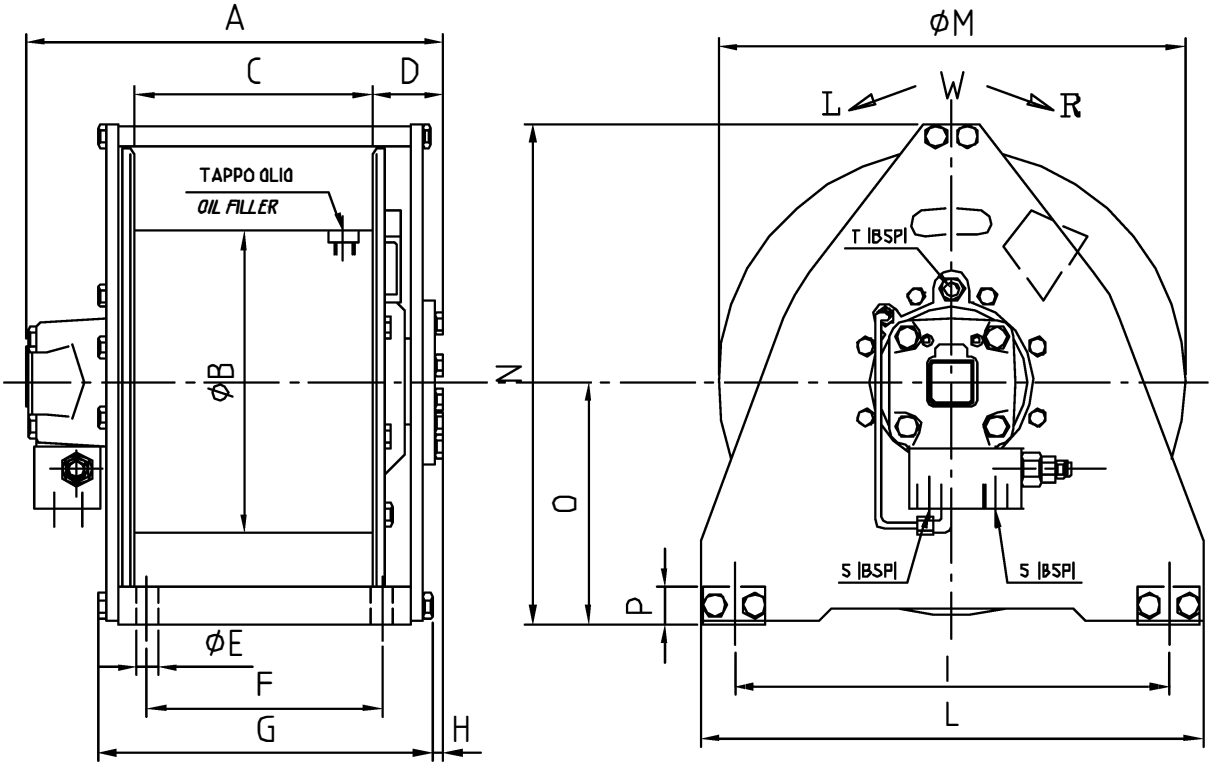
Nominal values. Precise proposals on request

ARGANI VERRICELLI

ARGANO IDRAULICO DA SOLLEVAMENTO
HYDRAULIC HOISTING WINCH
TIPO COMPATTO – *COMPACT TYPE*

DG 01A.5

07.03.04



TAMBURO FILETTATO E VERNICIATURA MARINA A RICHIESTA
GROOVED DRUM AND MARINE TREATMENT ON REQUEST

*FILETTATURA A GOLE PARALLELE
* *PARALLEL GROOVED*

DIMENSIONI– *DIMENSIONS* (mm)

MODELLO *MODEL*	A	B	C	D	E	F	G	H	I	L	M	N	O	P	W	ATTACCO MOTORE *MAIN PORT* S	DRENAG. *DRAIN PORT* T
TN 04	239	146	111	33	11	140	189	/	180	218	220	240	117	20	L	3/8"	—
TN 05	275	146	132	43	11	175	232	/	180	218	220	240	117	20	L	3/8"	—
TN 07	275	167	174	40	15	170	235	3	250	295	258	279	133	20	L	3/8"	—
TN 09	275	167	174	40	15	170	235	3	250	295	258	279	133	20	L	3/8"	—
TN 14	328	202	187	45	15	170	261	/	250	315	312	348	175	25	R	1/2"	1/4"
TN 18	334	202	187	45	15	170	261	/	250	315	312	348	175	25	R	1/2"	1/4"
TN 22	361	243	191	59	17	190	270	10	350	405	376	403	195	30	R	1/2"	1/4"
TN 22–FL*	361	243	191	59	17	190	270	10	350	405	376	403	195	30	R	1/2"	1/4"
TN 22–L	420	243	250	59	17	250	329	10	350	405	376	403	195	30	R	1/2"	1/4"

DATI TECNICI SECONDO UNI ISO 4301/1 SECONDO FEM 1.001/1987 — *TECHNICAL DATA ACCORDING UNI ISO 4301/1 ACCORDING FEM 1.001/1987*

MODELLO MODEL	TIRO 1° STRATO *1st LAYER PULL*	TIRO ULTIMO STRATO *LAST LAYER PULL*	PRESSIONE DI LAVORO *WORKING PRESSURE*	STRATI FUNE *ROPE LAYERS*	DIAM. FUNE CONSIGLIATO *SUGGESTED ROPE SIZE*	QUANTITA' FUNE *ROPE CAPACITY*	PORTATA MAX *MAX FLOW*	VELOCITA' FUNE 1° STRATO *ROPE SPEED 1st LAYER*	PESO *WEIGHT*
	daN	daN	bar	n°	mm	m	L/min	m/min	kg
TN 04	500	400	175	4	6	36	25	42	25
TN 05	600	480	180	4	6	45	30	52	36
TN 07	800	610	165	5	7	74	30	38	40
TN 09	1000	790	175	4	8	50	40	38	41
TN 14	1500	1190	190	4	9	59	50	43	71
TN 18	2000	1560	200	4	10	53	50	34	71
TN 22	2500	1950	205	4	12	54	50	29	95
TN 22–FL*	2500	1950	205	4	12	50	50	28	95
TN 22–L	2500	1950	205	4	12	72	50	29	115

ARGANI VERRICELI

ARGANO IDRAULICO DA SOLLEVAMENTO
HYDRAULIC HOISTING WINCH
TIPO COMPATTO – *COMPACT TYPE*

DG 01B.5

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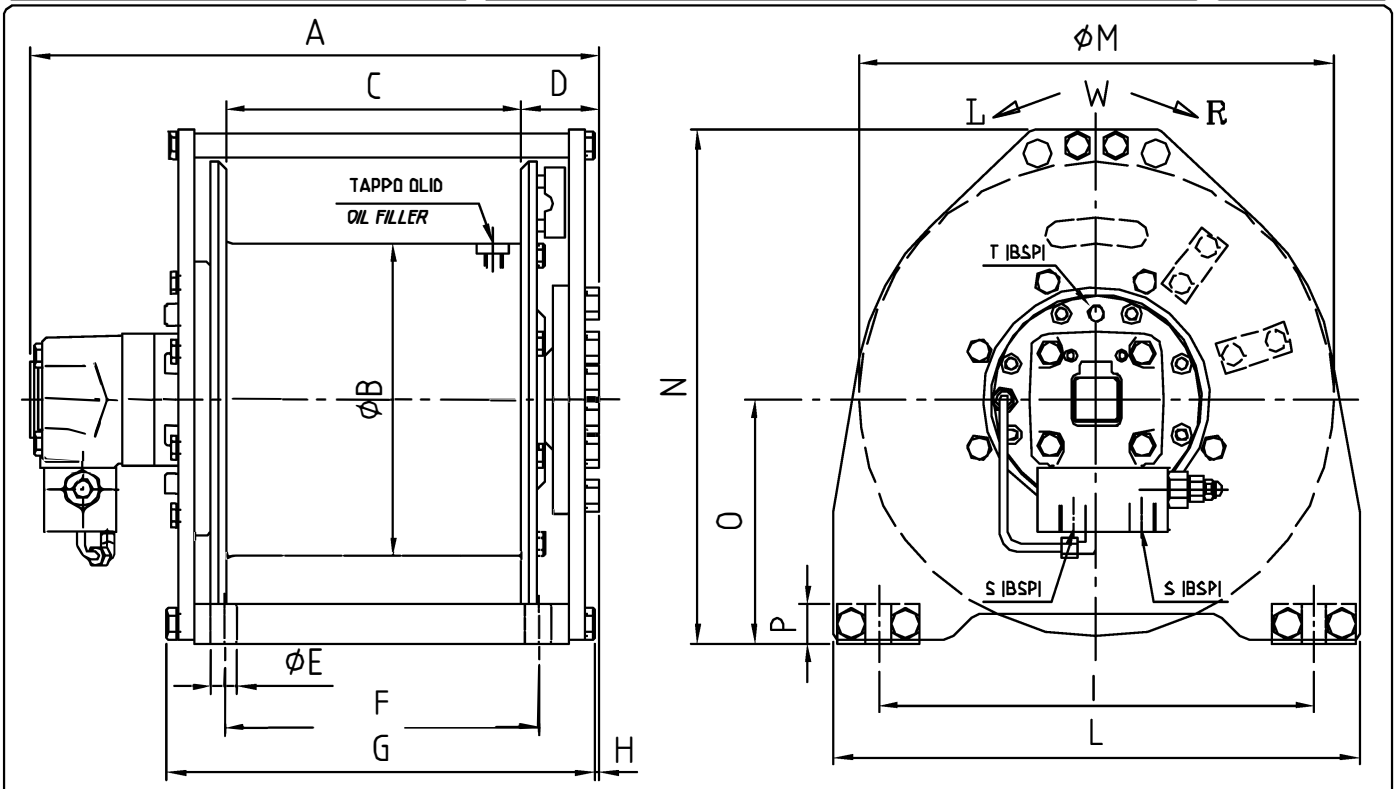

TAMBURO FILETTATO E VERNICIATURA MARINA A RICHIESTA
GROOVED DRUM AND MARINE TREATMENT ON REQUEST

DIMENSIONI– *DIMENSIONS* (mm)

MODELLO *MODEL*	A	B	C	D	E	F	G	H	I	L	M	N	O	P	W	ATTACCO MOTORE *MAIN PORT* S	DRENAG. *DRAIN PORT* T
TN 28–125	436	244	231	58	19	245	335	/	360	430	410	440	210	30	R	3/4"	1/4"
TN 28–160	441	244	231	58	19	245	335	/	360	430	410	440	210	30	R	3/4"	1/4"
TN 28–200	448	244	231	58	19	245	335	/	360	430	410	440	210	30	R	3/4"	1/4"
TN 38N	441	244	231	58	19	245	335	/	340	410	370	400	190	30	R	3/4"	1/4"
TN 38T	466	244	231	58	19	245	335	/	340	410	370	400	190	30	R	3/4"	1/4"
TN 30	432	296	242	68	17	250	334	12	350	426	454	498	245	30	R	3/4"	1/4"
TN 30–L	494	296	305	68	17	310	396	12	350	426	454	498	245	30	R	3/4"	1/4"
TN 32	485	296	305	74	19	310	397	17	350	426	454	498	246	30	R	3/4"	1/4"
TN 40	510	322	321	79	25	330	430	12	530	610	530	566	271	35	R	3/4"	1/4"
TN 50	516	322	321	79	25	330	430	12	530	610	530	566	271	35	R	3/4"	1/4"
TN 51	570	353	360	85	25	375	475	12	550	630	570	612	292	35	R	3/4"	1/4"

DATI TECNICI SECONDO UNI ISO 4301/1 SECONDO FEM 1.001/1987 — *TECHNICAL DATA ACCORDING UNI ISO 4301/1 ACCORDING FEM 1.001/1987*

MODELLO *MODEL*	TIRO 1° STRATO *1st LAYER PULL*	TIRO ULTIMO STRATO *LAST LAYER PULL*	PRESSIONE DI LAVORO *WORKING PRESSURE*	STRATI FUNE *ROPE LAYERS*	DIAM. FUNE CONSIGLIATO *SUGGESTED ROPE SIZE*	QUANTITA' FUNE *ROPE CAPACITY*	PORTATA MAX *MAX FLOW*	VELOCITA' FUNE 1° STRATO *ROPE SPEED 1st LAYER*	PESO *WEIGHT*
	daN	daN	bar	n°	mm	m	L/min	m/min	kg
TN 28–125	2950	2300	155	4	12	67	65	23	135
TN 28–160	3600	2720	145	4	14	58	65	19	135
TN 28–200	4600	3410	150	4	15	55	65	15	135
TN 38N	4200	3500	195	3	13	44	75	22	115
TN 38T	4560	3790	185	3	13	44	100	29	120
TN 30	3400	2680	205	4	14	72	100	47	167
TN 30–L	3400	2680	205	4	14	92	100	47	172
TN 32	4500	3490	195	4	15	86	120	37	190
TN 40	4700	3410	220	5	16	120	100	36	258
TN 50	5200	3750	210	5	16	120	100	28	258
TN 51	5700	4410	205	4	18	101	100	27	296