

TECHNICAL DATA

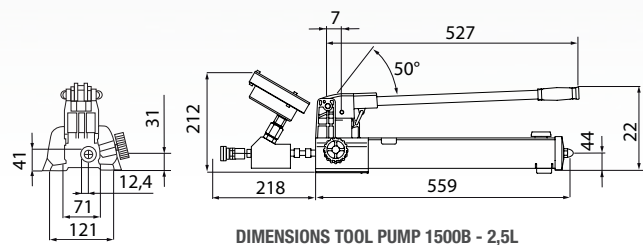
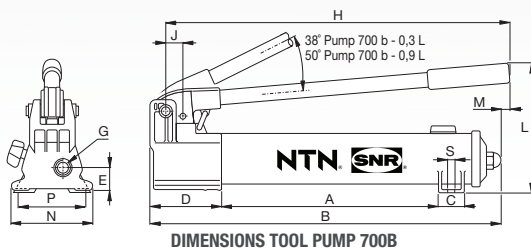
MANUAL HYDRAULIC PUMP KITS

References	TOOL PUMP SET 700B-(Reservoir capacity) L / Pump with accessories TOOL PUMP SET 1500B 2,5 L / Pump with accessories		
Contents	Pump Set 700b-0.3 L	Pump Set 700b-0.9 L	Pump Set 1500b - 2.5 L
Ⓐ 1 2-stage manual pump	700 bar pump with 0.3 litre reservoir	700 bar pump with 0.9 litre reservoir	1500 bar pump with 2.5 litre reservoir
Ⓑ 1 adaptor for pressure gauge*	1/4" male, 3/8" female	3/8" male, 3/8" female	1500 bar pressure gauge block
Ⓒ 1 pressure gauge	700 bar	700 bar	
Ⓓ 1 hose	700 bar, length 1.5 m	700 bar, length 3 m	1500 bar, length 3 m
Ⓔ 1 quick coupling connection (female)	G 1/4 (1500 bar)	G 1/4 (1500 bar)	G 1/4 (1500 bar)

► Description of the manual hydraulic pump kit components

Ⓐ ULTRA LIGHT MANUAL PUMP (with two stages)

Reference	TOOL PUMP 700b - (reservoir capacity) L TOOL PUMP 1500B 2.5 L												
Material	Glass fibre reinforced composite tank												
Reference TOOL +	Nominal pressure 1 st stage (bar)	Nominal pressure 2 nd stage (bar)	Volume/stroke 1 st stage (cm ³)	Volume/stroke 2 nd stage (cm ³)	Tank capacity (cm ³)	Weight (bare pump) (kg)							
PUMP 700b-0.3l	13	700	3.6	0.9	320	2.4							
PUMP 700b-0.9l	13	700	11.3	2.5	900	4.1							
PUMP 1500b-2.5l	13	1500	11.3	2.5	2540	9							
Reference TOOL +	DIMENSIONS (mm)												
	A	B	C	D	E	G	H	J	L	M	N	P	S
PUMP 700b-0.3l	185	336	28	85	28	1/4" - 18 NPTF	319	19	143	-	95	80	7
PUMP 700b-0.9l	344	533	36	99	33	3/8" - 18 NPTF	522	30	177	16	120	-	-

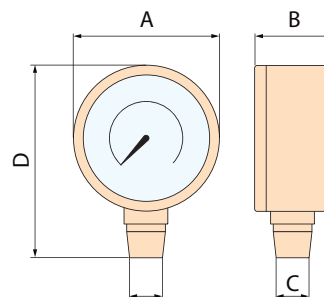


B PRESSURE GAUGE ADAPTOR ACCORDING TO PUMP

Reference	TOOL gauge adaptor (Reservoir capacity) L		
Reference TOOL+	Pressure gauge port	Male end	Female end
GAUGE ADAPTER 0.3 l	NPTF 1/4"	NPTF 1/4"	NPTF 3/8"
GAUGE ADAPTER 0.9 l		NPTF 3/8"	

C PRESSURE GAUGE

Reference	TOOL PUMP GAUGE 700
Permitted pressure	700 bar (10 000 psi)
Precision (% full scale)	+/- 1.0 (-1.5%)
Graduation	Bar
Scales	Bar
Large graduations	100
Small graduations	20
Connecting thread C	1/4" NPTF
Diameter A	100 mm
Height D	130 mm
Thickness B	35 mm



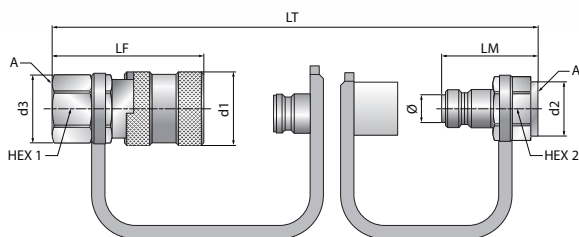
* For the 1500 bar – 2.5L pump, B and C are supplied as a complete unit. For information on “pressure gauge kit” spare parts, please contact us.

D HIGH PRESSURE HOSE

Reference	TOOL HYDRAULIC HOSE (length in mm)					
Material	Thermoplastic reinforced with layers of woven steel wire Polyurethane envelope					
References	Max. working pressure (bar)	Inner diameter (mm)	Length (mm)	Weight (kg)	Connection end 1	Connection end 2 (male)
TOOL HYDRAULIC HOSE 1500	700	6.4	1,500	0.8	3/8" - 18 NPTF	G 1/4 750 bar
TOOL HYDRAULIC HOSE 3000	700	6.4	3,000	1.5	3/8" - 18 NPTF	G 1/4 750 bar
TOOL 1500B HYDRAULIC HOSE 3000	1500	5	3,000	1.5	1/4 BSPP	G 1/4 1500 bar

E QUICK COUPLING CONNECTION, FEMALE (connection on end 2)

Reference	TOOL PUMP COUPLING 1/4
Material	High strength steel. Black zinc treatment
Type of valve	Flat face for minimum discharge of fluid on disconnection
Maximum service pressure	1500 bar



Note – Seal washer and connecting nipple included in HMV NIPPLE 1/4 are not represented on the drawing.

Thread A BSPP	d1 (mm)	d3 (mm)	Nut Hex1 (mm)	LF (mm)	d2 (mm)	Nut Hex2 (mm)	LM (mm)	LT (mm)	Ø (mm)	Reference Female TOOL+	Weight (g)	Reference Male TOOL+	Weight (g)
G 1/4	28.2	26.8	24	59.5	24.5	22	38	79.5	14.9	PUMP COUPLING 1/4	192	HMV NIPPLE 1/4	69