

## HYTORC AVANTI-50 TORQUE CHART

Pressure	Torque Range	Pressure
PSI	Nm	Bar
1500	9763	104
1600	10432	110
1800	11770	124
2000	13107	138
2200	14412	152
2400	15717	165
2600	17022	179
2800	18327	193
3000	19632	207
3200	20951	220
3400	22269	234
3600	23588	248
3800	24907	262
4000	26225	276
4200	27440	290
4400	28655	303
4600	29870	317
4800	31085	331
5000	32300	345
5200	33519	358
5400	34737	372
5600	35956	386
5800	37175	400
6000	38393	414
6200	39572	427
6400	40751	441
6600	41930	455
6800	43109	468
7000	44287	482
7200	45620	496
7400	46953	510
7600	48285	524
7800	49618	538
8000	50950	552
8200	52208	565
8400	53466	579
8600	54724	593
8800	55982	607
9000	57240	620
9200	58298	634
9400	59355	648
9600	60413	662
9800	61471	676
10000	62528	690



**YOU MIGHT ALSO BE INTERESTED IN THESE HYTORC TORQUE WRENCHES:**



**ICE**



**MXT**



**EDGE**



**STEALTH**



**VERSA**



**XLCT**



**YOUR EXPERT PARTNER  
IN BOLTING SOLUTIONS**

- ▮ Hydraulic torque wrenches
- ▮ Pneumatic torque wrenches
- ▮ Battery torque wrenches
- ▮ Electric torque wrenches
- ▮ Tensioning tools
- ▮ Hand torque tools
- ▮ Torque reaction arms and balancers
- ▮ Torque measurement and calibration instruments
- ▮ Impact sockets and accessories
- ▮ Hydraulic cylinders
- ▮ Flange tools
- ▮ Material removal tools

- ▮ Sales
- ▮ Rental
- ▮ Maintenance
- ▮ Calibrating
- ▮ Consulting
- ▮ Training

# HYTORC AVANTI-50

## SAFETY INSTRUCTIONS

Your HYTORC torque machine is a power tool, and as with any power tool, certain safety precautions should be observed to avoid accidents or personal injury. The following tips will assist you.

**I Read all instructions and make sure your tool has been properly serviced and calibrated**

**I Consider work area environment**

Make sure your work area is clean and well lit. Electrical pumps should never be used in an atmosphere which can be considered potentially volatile. If there is any doubt, use an air pump. Also Note: metal to metal contact can cause sparks precautions should be taken.

**I Avoid premature tool starting**

The pump remote control is for the tool operator only.

**I Stay clear during operation**

In most cases, the tool will allow "hands free" operation. If the tool must be held or steadied during operation, use alternative means of securing the tool to the application.

**I Guard against electric shock**

Ensure the pump is properly grounded and the proper voltage is being used.

**I Store idle tools**

When not in use, tools and accessories should be properly stored to avoid deterioration.

**I Use right tool**

Don't force small tools or attachments to do the job of a larger tool. Don't use a tool for purposes not intended.

**I Proper safety attire**

When handling/operating hydraulic equipment use work gloves, safety glasses, hard hats, safety shoes and other applicable clothing.

**I Moving equipment**

Do not use hydraulic hoses, uni-swivels, pump power or remote cords as means of moving the equipment.

**I Hoses**

Make sure that the hoses are not twisted. Check the hoses regularly and replace the defective ones.

**I Protective covers**

The moving parts of the wrench are protected by a protective cover. Do not use a tool with no protective covers on it.

**I Maintain tools with care**

For top performance, inspect tools, powerpack and accessories for visual damage frequently and always prior to use. Always follow instruction for proper tool and pump maintenance. Refer to the Operations Maintenance Section for further clarification.

**I Stay alert**

Watch what you are doing. Use common sense. Do not use power equipment under the influence of any mood altering substances.

**I Prior to use**

Ensure that all hydraulic connections are securely connected and there is no leakage. Ensure the square drive and its retainer are fully and securely engaged. Cycle tool to ensure proper function. Locate a solid, secure reaction point. Be sure the reaction arm retaining clamp is fully engaged. Be sure the hydraulic hoses are free of the reaction point. Pressurize the system momentarily; if the tool tends to "ride up" or to "creep", stop and re-adjust the reaction arm to a more solid and secure position.

**I Always use quality accessories**

Check sockets for size, quality and flaws - do not use if questionable. Remain clear of the reaction arm during operation and never put body parts between reaction arm and reaction surfaces.

**I Do not force the tool**

Do not use hammer or other tools to enhance performance. If needed, use a bigger HYTORC torque wrench.

**I Ask if necessary**

You may always contact your official HYTORC representative, which in Finland is Haitor Oy. Always remember - safety first!