

## HYTORC AVANTI-1 TORQUE CHART

| Pressure | Torque Range | Pressure |
|----------|--------------|----------|
| PSI      | Nm           | Bar      |
| 1500     | 266          | 104      |
| 1600     | 283          | 110      |
| 1800     | 319          | 124      |
| 2000     | 354          | 138      |
| 2200     | 390          | 152      |
| 2400     | 426          | 165      |
| 2600     | 463          | 179      |
| 2800     | 499          | 193      |
| 3000     | 535          | 207      |
| 3200     | 571          | 220      |
| 3400     | 606          | 234      |
| 3600     | 641          | 248      |
| 3800     | 676          | 262      |
| 4000     | 712          | 276      |
| 4200     | 747          | 290      |
| 4400     | 782          | 303      |
| 4600     | 817          | 317      |
| 4800     | 853          | 331      |
| 5000     | 888          | 345      |
| 5200     | 922          | 358      |
| 5400     | 956          | 372      |
| 5600     | 990          | 386      |
| 5800     | 1023         | 400      |
| 6000     | 1057         | 414      |
| 6200     | 1092         | 427      |
| 6400     | 1126         | 441      |
| 6600     | 1161         | 455      |
| 6800     | 1195         | 468      |
| 7000     | 1230         | 482      |
| 7200     | 1263         | 496      |
| 7400     | 1297         | 510      |
| 7600     | 1330         | 524      |
| 7800     | 1364         | 538      |
| 8000     | 1398         | 552      |
| 8200     | 1432         | 565      |
| 8400     | 1466         | 579      |
| 8600     | 1500         | 593      |
| 8800     | 1534         | 607      |
| 9000     | 1568         | 620      |
| 9200     | 1603         | 634      |
| 9400     | 1637         | 648      |
| 9600     | 1672         | 662      |
| 9800     | 1706         | 676      |
| 10000    | 1741         | 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-1

## 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!