

PRESSURE / LOAD TEST CERTIFICATE

Date Issued: 21/07/2025

Certificate Number: 004383

Equipment covered by this certificate:

Qty	Item	Description
1.00	AR07440	HBT-M45-TH23 Tool No 23 - M45x4.5

Max Working Pressure 1500 bar

Max Test Pressure 1650 bar

Max Working Load 791.00 kn

Max Test Load 870.10 kn

Quantity : 1.000 Batch number : 019641 Serial number : 017145-001

The above equipment was successfully tested at the above stated test pressures / loads. For pressure tests, the equipment was tested with hydraulic oil. For load tests, the equipment was tested with an appropriate hydraulic load cell.

We certify that the above equipment was subject to inspection and testing according to company standard procedures.

Authorised Signature:



FPR-010 B

PRESSURE TEST CERTIFICATE

Date Issued: 21/07/2025

Certificate Number: 004383

Equipment covered by this certificate:

Qty	Item	Description
1.00	AR02925	HBT-1540-3 Flexible Hose Assembly (Nipple - Coupling)-1500bar-3m-Blue Max Working Pressure 1500 bar Max Test Pressure 1650 bar Quantity : 1.000 Batch number : 019663 Serial number : RC-242447
1.00	AR03303	HT-1500-2ST-2.4 Hand pump 2.4-Litre 1500bar - 110mm Gauge. Large Looped handle. Max Working Pressure 1500 bar Max Test Pressure 1650 bar Quantity : 1.000 Batch number : 019632 Serial number : RH-3842 - 1041641225

The above equipment was successfully pressure tested at the above stated test pressures.

We certify that the above equipment was subject to inspection and testing according to company standard procedures.

Authorised Signature:



FPR-011 B

GAUGE CALIBRATION CERTIFICATE

Date Issued: 16/07/2025
Certificate Number: 004383
Gauge Serial Number: 104164-12-25
Gauge Scale: 2000 bar 25000 psi
Test Gauge Serial Number: 924103

Pressure Gauge [bar]	Test Gauge [bar]	Correction [bar]	Pressure Gauge [psi]	Test Gauge [psi]	Correction [psi]	% Error FSD
0	0	0	0	0	0	0.0%
200	210	-10	2900	3045	-145	-0.5%
400	410	-10	5800	5945	-145	-0.5%
600	610	-10	8700	8845	-145	-0.5%
800	810	-10	11600	11745	-145	-0.5%
1000	1010	-10	14500	14645	-145	-0.5%
1200	1210	-10	17400	17545	-145	-0.5%
1400	1410	-10	20300	20445	-145	-0.5%
1500	1510	-10	21750	21895	-145	-0.5%

Accuracy of test gauge $\pm 0.1\%$

This gauge was found to be accurate to within $\pm 1\%$ of full scale deflection.
Pressure gauge was tapped before each reading.

Authorised signature:



HYTORC *Hustank*

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TABLE DE CONVERSION PRESSION/TENSION

Affectée au vérin tendeur **TH23**

Numéro de série : **017145-001**

Vérifié le : **28/07/2025**

Pression Maximale Autorisée : **1 500 Bar**

Charge Maximale du vérin : **791 kilo Newton**

www.hytorc-services.com



Attention : Vérifiez bien les données techniques de vos assemblages boulonnés (Ø Nominal, pas, classe de la boulonnerie, appui disponible, cote sur plats de l'écrou) avant d'appliquer une tension ou charge avec le vérin tendeur.

Attention : Assurer vous que vous ne dépassez pas la limite élastique de votre assemblage boulonné.

Le vérin **TH23** est utilisé pour les tailles suivantes: M39, M42, M45, M48, M52

Pression en BAR	Tension en kiloNewton
100	53
120	63
140	74
160	84
180	95
200	105
220	116
240	127
260	137
280	148
300	158
320	169
340	179
360	190
380	200
400	211
420	221
440	232
460	243
480	253
500	264
520	274
540	285
560	295
580	306
600	316
620	327
640	337
660	348
680	359
700	369
720	380
740	390
760	401
780	411
800	422

Pression en BAR	Tension en KiloNewton
820	432
840	443
860	454
880	464
900	475
920	485
940	496
960	506
980	517
1000	527
1020	538
1040	548
1060	559
1080	570
1100	580
1120	591
1140	601
1160	612
1180	622
1200	633
1220	643
1240	654
1260	664
1280	675
1300	686
1320	696
1340	707
1360	717
1380	728
1400	738
1420	749
1440	759
1460	770
1480	780
1500	791