



Torque Screw A4-70 for general mechanical assembly
Serrage pour du A4-70 a sec (coeff. frottement $\mu=0.2$)

Thread	M3	M4	M5	M6	M8	M10	M12	M14	M16
Couple de serrage Tightening torque Nm	1.1	2.6	5.1	8.8	21.4	44	74	119	183

3	THREADED ROD M16 TIGE FILETEE M16	20	STEEL ACIER		47.36.77 160.3
20	SPHERICAL WASHER M16 RONDELLE SPHERIQUE M16	19	HARD STEEL ACIER DUR		47.78.12 816.6
112	PLAIN WASHER M8 RONDELLE PLATE M8	18	ST. STEEL AC. INOX		47.78.15 116.5
20	HEXAGONAL NUT M16 ECROU HEXAGONAL M16	17	STEEL ACIER		47.41.65 160.9
56	HEXAGONAL NUT M8 ECROU HEXAGONAL M8	16	ST. STEEL A4 AC. INOX A4		47.43.78 108.4
16	HEXAGONAL HEAD SCREW M8x55 VIS A TETE HEXAGONALE M8x55	15	ST. STEEL A4 AC. INOX A4		47.62.83 122.3
40	HEXAGONAL HEAD SCREW M8x45 VIS A TETE HEXAGONALE M8x45	14	ST. STEEL A4 AC. INOX A4		47.62.83 118.9
		13			
1	SEAL METAL FOR UHV FLANGE DN 100 JOINT METAL POUR BRIDE UHV DN100	12	CuOFS 0,1 AG CuOFS 0,1 AG		18.60.55 860.4
5	SEAL METAL FOR UHV FLANGE DN 63 JOINT METAL POUR BRIDE UHV DN 63	11	CuOFS 0,1 AG CuOFS 0,1 AG		18.60.55 855.1
		10			
1	IONISATION GAUGE (VGI) JAUGE DE IONISATION (VGI)	9		SVT 305	
1	RESIDUAL GAZ ANALYSER (RGA) ANALYSEUR DE GAZ RESIDUEL (RGA)	8		BALZER QMA125	
1	ION PUMP (VPI60) POMPE IONIQUE 601/S (VPI60)	7		VARIAN 911.5034	
1	SUBLIMATION PUMP (VPS) POMPE A SUBLIMATION (VPS)	6		PS_VMPUM0001	
		5			
1	VACUUM TUBE 90° TUBE A VIDE 90°	4		CVT.FT.114.64	
1	VACUUM TUBE TUBE A VIDE	3		CVT.FT.114.64R	
1	PUMP TANK CHAMBRE A VIDE	2		E43.1158	
1	PIER VACUUM CHAMBER PILIER CHAMBRE A VIDE	1		E76.1050	
	DESCRIPTION	POS.	MAT.	OBSERVATIONS	REF.CERN
QUANT.	ENS/ASS	S.ENS/S.ASS			
Assembly of vacuum chamber pumping tank PUMP TANK EQUIPED ASSEMBLY CHAMBRE A VIDE EQUIPEE ENSEMBLE			ECHELLE SCALE 1:5	DES/DRA. CONTROLLED RELEASED APPROVED LEILVCP0001/LEILVCP0004 REPLACE/REPLACES	ACROTECNA 2006-07-28
NON VALABLE POUR EXECUTION NOT VALID FOR EXECUTION			GAC -	LEILVCP0004	SIZE IND. 1

DESIGN, RASSTET, TOLERANCES
DRAWING, RUGOSITY, TOLERANCES
ACCORDING TO ISO STANDARDS

ORGANIZATION EUROPEENNE POUR
LA RECHERCHE NUCLEAIRE
EUROPEAN ORGANIZATION FOR
NUCLEAR RESEARCH

DESIGNING BY ILLIUM 3 OR THE COMPETENT
DESIGNING OFFICE
BY THE USE OF COMPUTER PROGRAMS
FOR AUTOMATIC DRAWING

PROJECTION