



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

QUANT.	DESCRIPTION	POS	MAT.	OBSERVATIONS	REF.CERN
3	THREADED ROD M16	17	STEEL		47.36.77
	TIGE FILETEE M16		ACIER		160.3
20	SPHERICAL WASHER M16	16	HARD. STEEL		47.78.12
	RONDELLE SPHERIQUE M16		ACIER DUR		816.6
64	PLAIN WASHER M8	15	ST. STEEL		47.78.15
	RONDELLE PLATE M8		AC. INOX		116.5
20	HEXAGONAL NUT M16	14	STEEL		47.41.65
	ECROU HEXAGONAL M16		ACIER		160.9
32	HEXAGONAL NUT M8	13	ST. STEEL A4		47.43.78
	ECROU HEXAGONAL M8		AC. INOX A4		108.4
16	HEXAGONAL HEAD SCREW M8x55	12	ST. STEEL A4		47.62.83
	VIS A TETE HEXAGONALE M8x55		AC. INOX A4		122.3
16	HEXAGONAL HEAD SCREW M8x45	11	ST. STEEL A4		47.62.83
	VIS A TETE HEXAGONALE M8x45		AC. INOX A4		118.9
		10			
1	SEAL METAL FOR UHV FLANGE DN 100	9	CuOFS 0,1 AG		18.60.55
	JOINT METAL POUR BRIDE UHV DN100		CuOFS 0,1 AG		860.4
2	SEAL METAL FOR UHV FLANGE DN 63	8	CuOFS 0,1 AG		18.60.55
	JOINT METAL POUR BRIDE UHV DN 63		CuOFS 0,1 AG		855.1
		7			
1	ION PUMP (VPI60)	6		VARIAN 911.5034	
	POMPE IONIQUE 601/S (VPI60)				
1	SUBLIMATION PUMP (VPS)	5		PS_VMPUM0001	
	POMPE A SUBLIMATION (VPS)				
		4			
1	UHV FLANGE ROTATABLE 114/63 SCEN 18.60.18.360.7	3		STDVFUHV0008	
	BRIDE UHV ROTATIVE 114/63 SCEN 18.60.18.360.7				
1	PUMP TANK	2		E43.1158	
	CHAMBRE A VIDE				
1	PIER VACUUM CHAMBER	1		E76.1050	
	PILIER CHAMBRE A VIDE				
	DESCRIPTION	POS	MAT.	OBSERVATIONS	REF.CERN
	ENS/ASS		S.ENS/S.ASS		

Assembly of vacuum chamber pumping tank				ECHELLE SCALE	DES/DRA.	ACROTECNA	2006-06-09
PUMP TANK EQUIPPED ASSEMBLY CHAMBRE A VIDE EQUIPEE ENSEMBLE				1:5	CONTROLLED		
					RELEASED		
					APPROVED		
				LEILVCPT002		LEILVCPT0002	
				REPLACE/REPLACES			
NON VALABLE POUR EXECUTION NOT VALID FOR EXECUTION				GAC	-	LEILVCPT0002	1

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

PROJECTION

ORGANIZATION EUROPEENNE POUR
RECHERCHE ET EXPERIMENTATION
EUROPEAN ORGANIZATION FOR
RESEARCH AND EXPERIMENTATION

LEILVCPT0002