

l'attention de
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DIMENSIONAL LIMITS

THREAD DESIGNATION	NOMINAL DIMENSIONS Diameter X Pitch	SCREW <i>Visse</i>							NUT							
		MAJOR DIAMETER d			PITCH DIAMETER d_2			MINOR DIAMETER d_f	MAJOR DIAMETER D	PITCH DIAMETER D_2			MINOR DIAMETER D_1			
		max.	tol.	min.	max.	tol.	min.	max.	min.	max.	tol.	min.	max.	tol.	min.	
VO.07.1	5V1-1	5.2 x 0.705	5.232	0.203	5.029	4.775	0.101	4.674	4.496	5.334	5.004	0.135	4.869	4.801	0.204	4.597
VO.07.2	5V1-2	5.2 x 0.705	5.232	0.152	5.080	4.775	0.101	4.674	4.496	5.334	5.004	0.135	4.869	4.801	0.204	4.597
VO.07.3	8V1-1	7.7 x 0.794	7.747	0.203	7.544	7.239	0.159	7.080	6.909	7.798	7.468	0.184	7.284	7.239	0.203	7.036
VO.07.4	8V1-2	7.7 x 0.794	7.747	0.127	7.620	7.239	0.159	7.080	6.909	7.798	7.400	0.116	7.284	7.186	0.150	7.036
VO.07.5	8V1-3	7.7 x 0.794	7.747	0.203	7.544	7.239	0.159	7.080	6.909	7.798	7.529	0.245	7.284	7.366	0.330	7.036
VO.08.1	5V2-1	5.2 x 1.058	5.220	0.180	5.040	4.705	0.150	4.555	4.300	5.370	4.865	0.105	4.760	4.600	0.200	4.400
VO.08.2	6V1-1	6 x 0.8	6.030	0.200	5.830	5.670	0.150	5.520	5.385	6.160	5.830	0.105	5.725	5.540	0.100	5.440
VO.09.1	8V2-1	7.9 x 1.058	7.909	0.182	7.727	7.221	0.093	7.128	6.611	7.938	7.371	0.121	7.250	7.035	0.253	6.782
VO.09.2	9V1-1	9.4 x 0.794	9.423	0.152	9.271	8.981	0.129	8.852	8.527	9.525	9.121	0.111	9.010	8.865	0.204	8.661
VO.09.3	10V1-1	9.65 x 1.000	9.650	0.100	9.550	9.310	0.100	9.210	8.552	9.800	9.480	0.100	9.380	8.900	0.150	8.750
VO.09.4	10V2-1	10.3 x 0.907	10.312	0.212	10.100	9.760	0.184	9.576	9.180	10.414	9.940	0.125	9.815	9.550	0.200	9.350
VO.09.5	11V1-1	11.1 x 1.270	11.079	0.205	10.874	10.254	0.107	10.147	9.522	11.113	10.424	0.137	10.287	10.033	0.304	9.729
VO.09.6	12V1-1	12.2 x 0.977	12.243	0.213	12.030	11.614	0.159	11.455	10.990	12.319	11.794	0.125	11.669	11.379	0.203	11.176
VO.09.7	13V1-1	12.6 x 1.270	12.667	0.206	12.461	11.841	0.109	11.732	11.110	12.700	12.017	0.142	11.875	11.608	0.280	11.328
VO.09.8	13V2-1	12.7 x 0.794	12.674	0.151	12.523	12.159	0.089	12.070	11.701	12.700	12.298	0.113	12.185	12.039	0.202	11.837
VO.09.9	15V1-1	15 x 1.000	14.900	0.105	14.795	14.310	0.105	14.205	13.552	15.137	14.485	0.105	14.380	13.950	0.200	13.750
VO.09.10	16V1-1	15.8 x 0.941	15.847	0.170	15.677	15.235	0.097	15.138	11.694	15.875	15.380	0.126	15.263	15.088	0.229	14.859
VO.09.11	17V1-1	17 x 1.000	16.900	0.105	16.795	16.310	0.105	16.205	15.552	17.137	16.485	0.105	16.380	15.950	0.200	15.750
VO.09.12	17V2-1	17.5 x 1.058	17.432	0.182	17.250	16.743	0.100	16.643	16.134	17.463	16.906	0.131	16.775	16.560	0.253	16.307
VO.09.13	17V3-1	17.5 x 1.588	17.426	0.237	17.189	16.395	0.121	16.272	15.478	17.630	16.588	0.156	16.432	16.103	0.355	15.748
VO.09.14	19V1-1	19 x 1.588	19.011	0.237	18.774	17.980	0.126	17.854	17.063	19.050	18.193	0.164	18.019	17.678	0.355	17.323
VO.09.15	20V1-1	20.5 x 1.000	20.400	0.110	20.290	19.810	0.110	19.700	19.052	20.642	19.995	0.110	19.885	19.450	0.200	19.250

INSPECTION OF THREADS

The minimum and maximum values have been calculated so that it is possible to apply to the threads thus defined the limit gauge inspection principles specified in ISO Recommendation R 1502 "—ISO metric threads for general use—Limit gauge inspection".

The gauge dimensions must be calculated by applying the following conditions extracted from ISO Recommendation R 1502.

Pitch diameter of external thread d_2
24 microns $< T_{d_2} < 50$ microns

Outside diameter of external thread d
36 microns $< T_d < 85$ microns

Pitch diameter of internal thread D_2
24 microns $< T_{D_2} < 50$ microns

Inside diameter of internal thread D_1
38 microns $< T_{D_1} < 100$ microns

