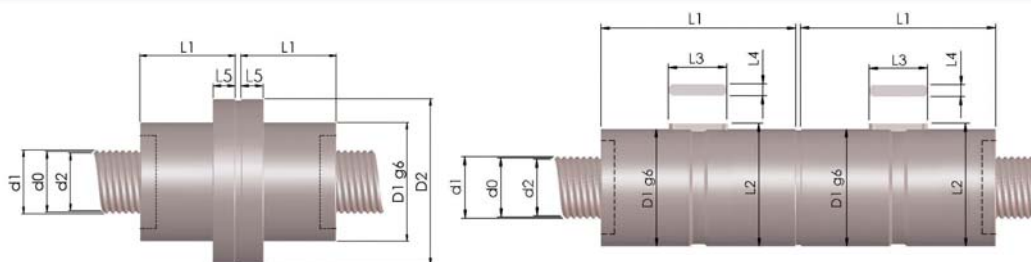
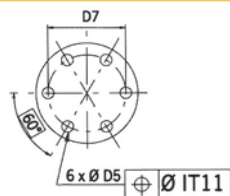


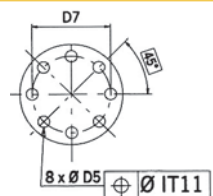
Type RVR - Ground screws - System with rollers' recycling



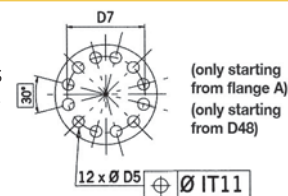
Drilling's drawing 2



Drilling's drawing 3



Drilling's drawing 4



							Single nut, with backlash and double nut			Split nut, preloaded, without backlash			Split nuts, preloaded, preloading torque						Without wipers		With wipers							
			[mm]	[mm]	[mm]	Efficiency	[kN]	[kN]	[N ^{2/3} /μm]	[kN]	[kN]	[N ^{2/3} /μm]	[N]	[Ncm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Type	D x P	N	d0	d1	d2		C	Co	F _K	C	Co	F _K	F _V	M _V	D1	D2	D5	D7	L1	L1	L2	L3	L4	L5	L6			
RVR	8 x 0.5	1	7.80	8.00	7.58	0.77	10.2	12.8	33.3	6.4	6.4	21	1000	6	20	43	4.8	33	31	41	20.8	10	2	13	22			
RVR	8 X 1	1	7.63	8.00	7.19	0.84	8.0	12.1	23.3	5.1	6.0	14.7	730	6	20	43	4.8	33	31	41	20.8	12	2	13	22			
RVR	8 X 2	2	7.63	8.00	7.19	0.88	8.0	12.1	23.3	5.1	6.0	14.7	460	6	20	43	4.8	33	31	41	20.8	12	2	13	22			
RVR	10 x 0.5	1	9.63	10.00	9.41	0.74	11.3	15.1	35.7	7.1	7.5	22.5	1200	8	22	43	4.8	33	31	41	22.8	12	2	13	24			
RVR	10 X 1	1	9.63	10.00	9.19	0.82	8.9	14.4	25.0	5.6	7.2	15.8	880	8	22	43	4.8	33	31	41	22.8	12	2	13	24			
RVR	10 X 2	2	9.63	10.00	9.19	0.87	8.9	14.4	25.0	5.6	7.2	15.8	570	8	22	43	4.8	33	31	41	22.8	12	2	13	24			
RVR	12 x 0.5	1	11.98	12.00	11.58	0.71	10.5	13.6	32.3	6.6	6.8	20.4	1300	10	24	46	4.8	36	31	41	25.3	10	3	13	26			
RVR	12 X 1	1	11.63	12.00	11.19	0.80	10.1	17.4	27.4	6.3	8.7	17.2	1000	10	24	46	4.8	36	31	41	25.3	10	3	13	26			
RVR	12 X 2	2	11.63	12.00	11.19	0.86	10.1	17.3	27.4	6.3	8.7	17.2	670	10	24	46	4.8	36	31	41	25.3	10	3	13	26			
RVR	16 x 0.5	1	15.66	15.84	15.44	0.77	11.7	21.7	29.9	7.3	10.9	18.8	1270	15	29	53	4.8	41	31	41	31.2	14	4	13	33			
RVR	16 X 1	1	16.00	16.37	15.56	0.77	11.1	21.0	29.6	7.0	10.5	18.7	1250	15	29	53	4.8	41	31	41	31.2	14	4	13	33			
RVR	16 X 2	2	16.00	16.37	15.56	0.84	11.1	21.0	29.6	7.0	10.5	18.7	890	15	29	53	4.8	41	31	41	31.2	14	4	13	33			
RVR	20 X 0.5	1	19.36	19.55	19.14	0.61	24.8	37.9	57.0	15.7	18.9	35.9	1800	20	34	56	5.8	46	37	47	35.7	14	4	18	36			
RVR	20 X 1	1	19.63	20.00	19.19	0.74	17.6	36.1	41.2	11.1	18.1	25.9	1470	20	34	56	5.8	46	37	47	35.7	14	4	18	36			
RVR	20 X 2	2	19.63	20.00	19.19	0.82	17.6	36.1	41.2	11.1	18.1	25.9	1080	20	34	56	5.8	46	37	47	35.7	14	4	18	36			
RVR	25 X 1	1	25.00	25.37	24.56	0.70	30.4	70.0	53.6	19.2	35.0	33.8	1870	30	42	67	5.8	56	44	54	43.7	14	4	18	44			
RVR	25 X 2	2	25.00	25.37	24.56	0.80	30.4	70.0	53.6	19.2	35.0	33.8	1440	30	42	67	5.8	56	44	54	43.7	14	4	18	44			
RVR	32 X 1	1	32.00	32.37	31.56	0.65	65.1	121.3	67.0	41.0	60.7	42.2	2600	50	53	83	7	70	55	67	55.2	20	5	20	55			
RVR	32 X 2	2	32.00	32.37	31.56	0.77	65.1	121.3	67.0	41.0	60.6	42.2	2080	50	53	83	7	70	55	67	55.2	20	5	20	55			
RVR	40 X 1	1	39.63	40.00	39.19	0.61	83.5	180.7	78.3	52.6	90.3	49.3	3090	70	70	104	9	85	66	80	72.7	28	6	26	72			
RVR	40 X 2	2	39.63	40.00	39.19	0.74	83.5	180.7	78.3	52.6	90.3	49.3	2550	70	70	104	9	85	66	80	72.7	28	6	26	72			
RVR	50 X 1	1	49.63	50.00	49.19	0.56	161.8	326.1	101.3	102.0	163.0	63.8	3320	90	82	124	11	102	80	94	84.7	28	6	28	84			
RVR	50 X 2	2	49.63	50.00	49.19	0.70	161.8	326.1	101.3	101.9	163.0	63.8	2820	90	82	124	11	102	80	94	84.7	28	6	28	84			
RVR	50 X 3	2	49.45	50.00	48.79	0.76	142.7	331.1	81.8	89.9	165.6	51.5	2460	90	82	124	11	102	80	94	84.7	28	6	28	84			
RVR	50 X 4	2	49.26	50.00	48.38	0.80	132.4	333.9	71.0	83.4	167.0	44.8	2180	90	82	124	11	102	80	94	84.7	28	6	28	84			
RVR	63 X 2	1	62.26	63.00	61.38	0.66	197.8	486.2	79.5	124.6	243.1	50.1	3190	120	105	148	13.5	127	110	124	108	40	8	32	104			
RVR	63 X 3	1	62.00	63.00	60.68	0.73	170.2	470.1	63.5	107.2	235.1	40.0	2840	120	105	148	13.5	127	110	124	108	40	8	32	104			
RVR	63 X 4	2	62.26	63.00	61.38	0.77	197.8	486.1	79.5	124.6	243.0	50.1	2540	120	105	148	13.5	127	110	124	108	40	8	32	104			
RVR	80 X 2	1	79.26	80.00	78.38	0.61	360.7	835.6	121.0	-	-	-	-	-	138	195	175	167	175	189	141.7	50	10	35	140			
RVR	80 X 3	1	79.00	80.00	77.68	0.69	320.7	844.2	98.2	-	-	-	-	-	138	195	175	167	175	189	141.7	50	10	35	140			
RVR	80 X 4	2	78.52	80.00	76.76	0.74	360.9	834.4	121.0	-	-	-	-	-	138	195	175	167	175	189	141.7	50	10	35	140			
RVR	100 X 3	1	98.89	100.00	97.57	0.65	492.0	1276.0	101.1	-	-	-	-	-	170	230	175	200	180	196	173.7	56	12	40	172			
RVR	100 X 4	1	98.52	100.00	96.76	0.70	447.7	1258.0	87.1	-	-	-	-	-	170	230	175	200	180	196	173.7	56	12	40	172			
RVR	100 X 5	1	98.15	100.00	95.95	0.74	485.6	1431.0	86.1	-	-	-	-	-	170	230	175	200	195	215	173.7	56	12	40	172			
RVR	125 x 5	1	123.15	125.00	120.95	0.70	856.0	3102.0	126.2	-	-	-	-	-	220	260	175	200	262	282	223	100	12	40	172			

Maximum backlash of single nuts: 0.03mm (can be less on request).

If possible, provide a lubrication hole in the nut (contact Rollvis for feasibility and position).

Terms used in tables

P Lead	d1 External diameter	F_k Rigidity factor
D Reference diameter	d2 Thread bottom diameter	F_v Preloading force
N Number of starts	C Dynamic load capacity	M_v Load-free torque due to preloading
d0 Nominal diameter	Co Static load capacity	