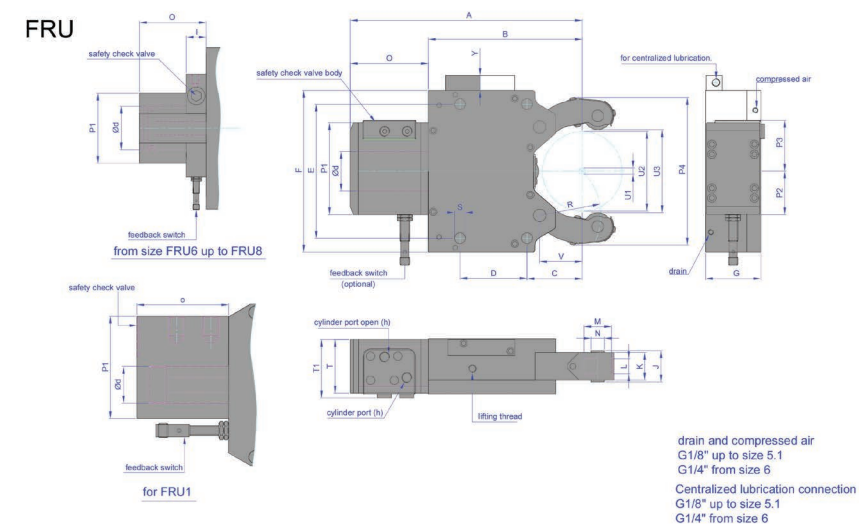


Model: FRU

Steady rest for standard turning applications



FRU Series

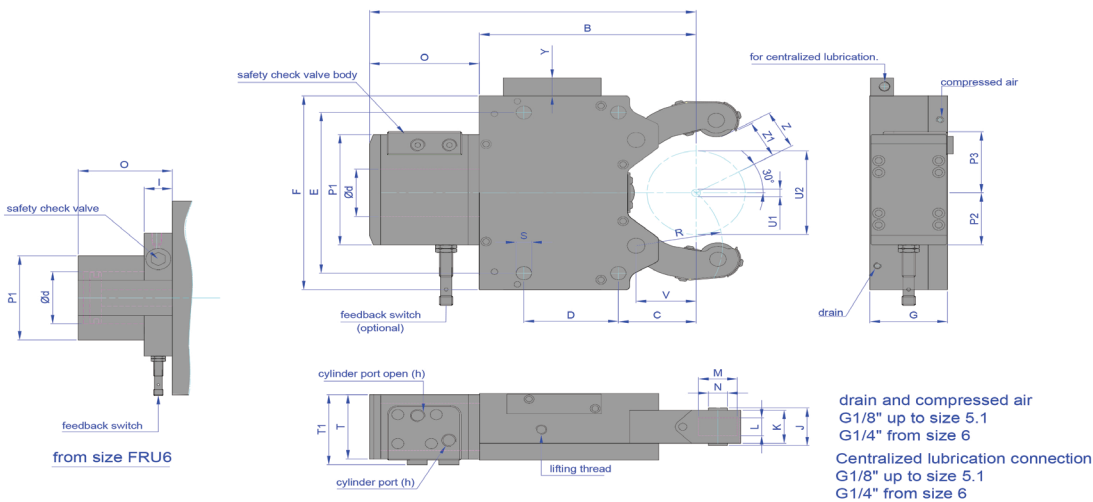
This series is for all standard applications. Available in a range of dias from 4 mm to 800 mm. These steadies work on both flat bed as well as slant bed CNC lathes. We supply brackets for mounting according to the customers requirements

STEADY REST TYPE		FRU1	FRU2	FRU3	FRU3.1	FRU3.2	FRU4	FRU5	FRU5.1	FRU6	FRU7	FRU8
	A	215	298.5	462	470	486	624	706	731.5	980	1235.5	1404
	B	149	195	308	316	332	437	500	520	709	898	1000
	C	52	70	115	123	138	146	178	198	215	320	375
	D	66	85	135	135	135	240	270	270	330	440	500
	E	140	170	262	262	262	365	400	400	610/640	650	855
	F	160	205	290	290	290	400	450	450	680	720	930
	G	63	70	85	85	85	110	145	145	145	162	190
	I	-	33	37	37	37	37	37	37	46	60	60
	J	62	42	52	52	52	67	83	83	83	96	110
	K	28	35	45	45	45	60	75	75	75	82	100
	L	15	19	25	25	25	25	29	29	29	32	32
	M	24	35	47	47	47	52	62	62	80	100	100
	N	8	21	25	25	25	32	40	40	43	55	60
	O	70	103.5	154	154	154	187	206.5	211.5	271	337.5	385.5
	P1	96	105	137	137	137	165	165	165	190	238	238
	P2	38	66	92	90	90	102	102	102	115	143	143
	P3	96	75	92	94	94	110	110	110	130	158	158
	P4	142	188	279	279	323	415	473	509.5	732	869.5	976
	R	55	75	117.3	124	139	172	209	236	290	390	402
	S	11	14	18	18	18	23	23	23	27	27	35
	T	63	68	102	102	102	126	144	144	158	190	190
	V	37	60	91.5	99.5	109.5	128	160	180	182	292.5	295.5
	Y	-	19	19	19	19	19	20	20	27	27	27
Centering range without chip guard.	U1	4	8	12	20	50	30	45	85	125	200	230
	U2	64	101	152	165	200	245	310	350	460	530	630
Centering range with 3 piece chip guard.	U1	4	16	16	20	50	30	45	85	125	191	230
	U2	64	101	152	165	200	245	310	350	460	530	630
Cylinder Bore.	d	30	50	80	80	80	100	100	100	130	150	150
Hyd. Connection. (BSP)	h	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Operating pressure. Min/Max	bar	6/50	8/60	8/60	8/60	8/60	8/60	8/80	8/80	8/70	6/70	6/70
Max. clamp force/roller	daN	100	350	1000	1000	1000	1500	2000	2000	3000	4000	4000
Clamping press/roller at 15 bar	daN	35	100	250	250	500	500	500	500	670	900	900
Centering accuracy over the whole clamping range	mm	0.02	0.02	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.08	0.08
Repeatability.	mm	0.005	0.005	0.007	0.007	0.007	0.007	0.01	0.01	0.01	0.02	0.02
Max. peripheral speed.	m/min	850	950	800	800	725	725	670	670	525	570	570
Weight Approx.	kg	7	18.5	42	42	43	104	155	160	430	700	1300

Standard Features:

- Safety Valve
- Provision for max. opening feedback
- 1 set swarf guard 3-piece
- Provision for compressed air connection
- Provision for centralized lubrication

Model: FRUA



STEADY REST TYPE		FRUA2	FRUA3	FRUA3.1	FRUA4	FRUA5	FRUA6
	A	298.5	462	470	609	706	980
	B	195	308	316	437	500	709
	C	70	115	123	146	178	215
	D	85	135	135	240	270	330
	E	170	262	262	365	400	610/640
	F	205	290	290	400	450	705
	G	70	85	85	110	145	145
	I	33	37	37	37	37	37
	J	42	52	52	67	78.5	83
	K	35	45	45	60	75	75
	L	19	25	25	25	29	29
	M	35	47	47	52	62	80
	N	21	20	25	32	40	42
	O	100	154	154	189	206	271
	P1	105	137	137	165	168	200
	P2	66	92	90	102	102	120
	P3	75	92	94	110	110	135
	R	75	117.3	124	172	209	290
	S	14	18	18	23	23	27
	T	68	102	102	126	144	158
	V	60	91.5	99.5	128	160	175
	Y	19	19	19	19	20	19
Centering range with 3 piece chip guard	U1	8	12	20	30	48	160
	U2	80	130	150	220	268	460
Centering accuracy over the whole clamping range.	U1	16	20	20	30	48	160
	U2	80	130	150	220	268	460
	Z	41	55	76	111	135	230
	Z1	34	54	74	106	130	225
Cylinder bore.	d	50	80	80	100	100	130
	h	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"
Operating pressure. Min/Max	bar	8/60	8/60	8/60	8/60	8/60	8/70
	daN	350	1000	1000	1500	2000	3000
Clamping press./roller at 15 bar	daN	100	250	250	500	500	670
	mm	0.02	0.04	0.04	0.05	0.06	0.06
Repeatability	mm	0.005	0.007	0.007	0.007	0.01	0.01
	m/min	950	725	725	725	700	525
Weight Approx.	kg	18.5	42	48	104	160	430

Standard Features:

- Safety Valve
- Provision for max. opening feedback
- 1 set swarf guard 3-piece
- Provision for compressed air connection
- Provision for centralized lubrication