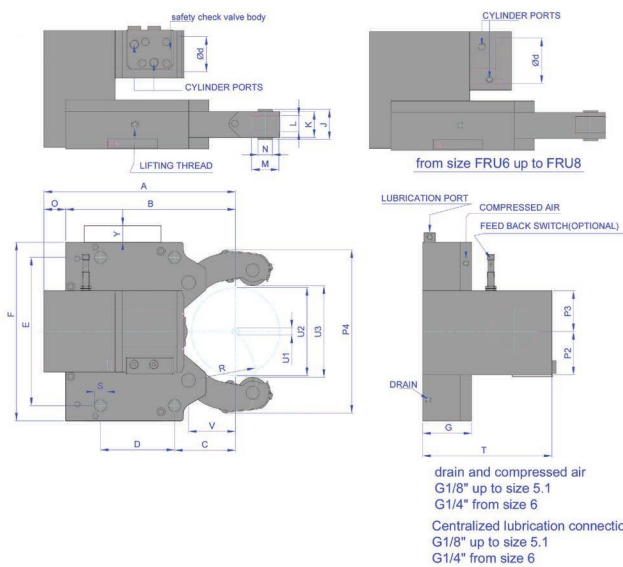


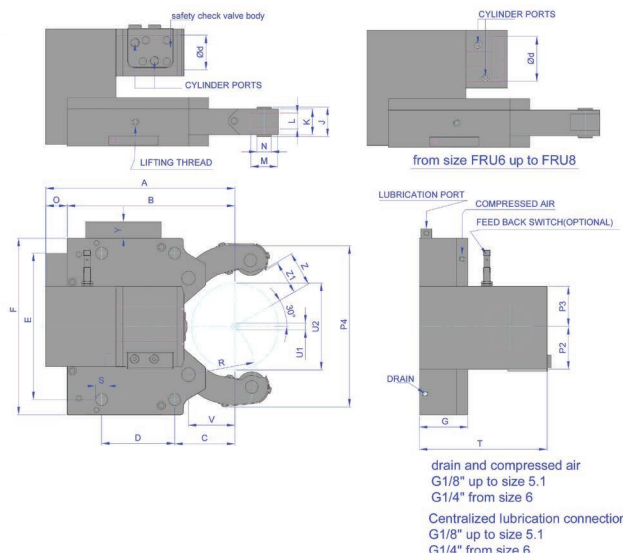
Model: FRUB
Standard steady rest with side mounted cylinder



FRUB Series

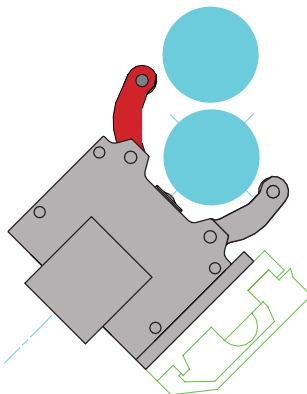
This series is made for machines where the rear mounted cylinder may foul with the sheet metal enclosures or other machine enclosures. To achieve this the actuating cylinder of the steady rest is mounted on the side of the steady rest.

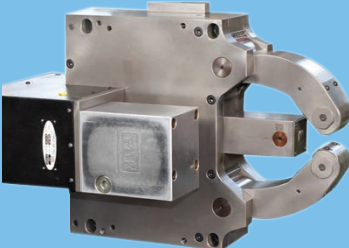
Model: FRUAB
Steady rest with side mounted actuating cylinder and extra opening for the top arm.

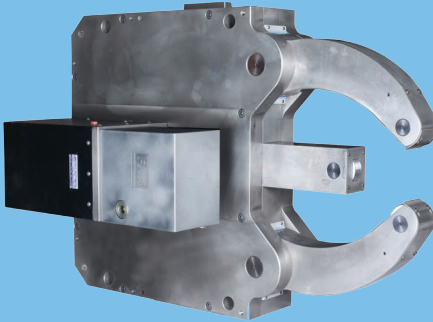


FRUAB Series

This series of steadys are made with side mounted actuating cylinder for applications where vertical loading is required



STEADY REST TYPE			FRUB 3	FRUB3.1	FRUB3.2	FRUB4	FRUB5	FRUB5.1	FRUB6	FRUB7	FRUB8
 Standard Features: • Safety Valve • Provision for max. opening feedback • 1 set swarf guard 3-piece • Provision for compressed air connection • Provision for centralized lubrication	A	250.8	348	356	405	480	613	632.5	823	1001.5	1130
	B	195	308	316	332.1	437	500	520	709	898	1019
	C	70	115	123	138	146	178	198	215	320	375
	D	85	135	135	135	240	270	270	330	440	500
	E	170	262	262	262	365	400	400	610/640	650	855
	F	205	290	290	290	400	450	450	680	720	930
	G	70	85	85	85	110	145	145	145	162	190
	J	42	52	52	52	67	83	83	83	96	110
	K	35	45	45	45	60	75	75	75	82	100
	L	19	25	25	25	25	29	29	29	32	32
	M	35	47	47	47	52	62	62	80	100	100
	N	21	25	25	25	32	36	36	43	55	60
	O	55.8	40	40	73	43	113.3	112.5	114	103.5	111
	P2	73.5	84	84	84	95	95	95	124	130	130
	P3	55	67	67	67	78	78	78	91	130	130
	R	75	117.3	124	136	172	269	236	290	390	402
	S	14	18	18	18	23	23	23	27	27	35
	T	153	198	198	199	248	326	326	383	415	487
	V	60	91.5	99.5	109.5	128	160	180	182	292	290
	Y	19	19	19	19	19	20	20	27	27	27
Centering range without chip guard.	U1	8	12	20	50	30	45	85	125	200	230
Centering range with 3 piece chip guard.	U1	16	21	20	50	30	45	85	125	200	230
	U2	101	152	165	200	245	310	350	460	530	630
Cylinder Bore.	d	50	80	80	80	100	100	100	100	150	150
	g		180	180		220	270		430	450	450
Hyd. Connection. (BSP)	h	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	8/60	8/60	8/60	8/45"	8/60	8/60	8/60	8/70	8/70	8/70
Max. clamp force/roller.	daN	350	1000	1000	1000	1500	2000	2000	3000	4000	4000
Clamping press./roller at 15 bar	daN		250	250		400	400		600	880	880
Centering accuracy over the whole clamping range	mm	0.02	0.04	0.04	Jan-00	0.05	0.06	0.06	0.06	0.08	0.08
Repeatability	mm	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		725	725	725	715	700	700	700	250	250
Weight Approx.	kg	18.5	42	42	43	106	175	160	480	1000	1300

STEADY REST TYPE		FRUA-B 3	FRUA-B 3.1	FRUA-B 4	FRUA-B5	FRUA-B6
 Standard Features: • Safety Valve • Provision for max. opening feedback • 1 set swarf guard 3-piece • Provision for compressed air connection • Provision for centralized lubrication	A	348	356	480	614	829.5
	B	308	316	437	500	709
	C	115	123	146	178	215
	D	135	135	240	270	330
	E	262	262	365	400	610/640
	F	290	290	400	450	680
	G	85	85	110	145	145
	J	52	52	69.5	83	83
	K	45	45	60	75	75
	L	25	25	25	29	29
	M	47	47	52	62	80
	N	25	25	32	36	43
	O	40	40	43	114	120.5
	P2	84	84	95	95	124
	P3	67	67	78	78	91
	R	117.5	124	172	209	290
	S	18	18	23	23	27
	T	199	198	245	325	414.5
	V	91.5	99.5	128	160	182
	Y	19	19	19	20	27
Centering range without chip guard.	U1	12	20	30	50	160
Centering range with 3 piece chip guard.	U2	130	165	220	268	460
	U1	21	20	30	50	160
Cylinder Bore.	U2	130	165	220	268	460
	Z	66	76	111	135	230
Hyd. Connection. (BSP)	Z1	62	72	106.5	130	225
	d	80	80	100	100	130
Operating Press. Min/max	e	58	58	68	85	186.5
	f	27	27	39	40	48.5
Max. clamp pressure/roller.	g	180	180	220	270	378
Clamping press./roller at 15 bar	h	1/4"	1/4"	3/8"	3/8"	3/8"
Centering accuracy over the whole clamping range.	bar	8/60	8/60	8/60	8/80	8/70
Repeatability.	daN	1000	1000	1500	2000	3000
Max. Peripheral speed	daN	250	250	400	400	660
Approx. weight	mm	0.04	0.04	0.05	0.06	0.06
	mm	0.007	0.007	0.007	0.01	0.01
	m/min	800	800	715	650	525
	kg	55	55	115	190	430