

STEADY RESTS



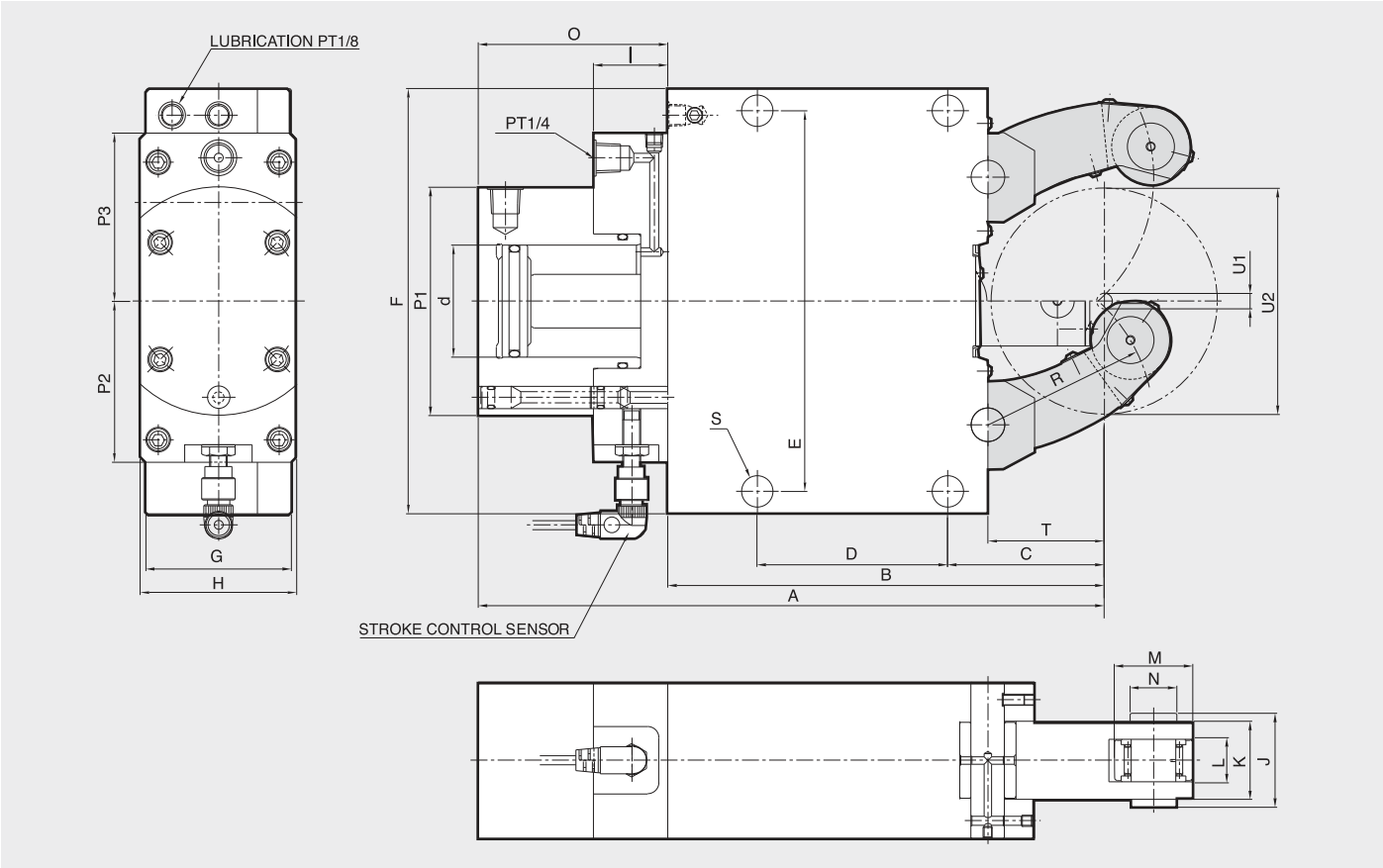
STA (Self-Centering Steady Rest)

100.

STRA (Wide-Opening Self-Centering Steady Rest)

102.

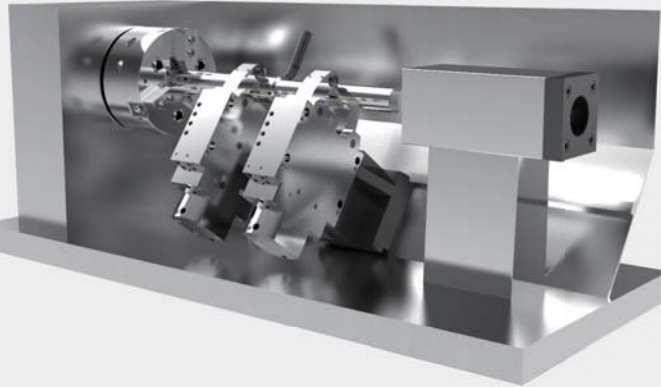
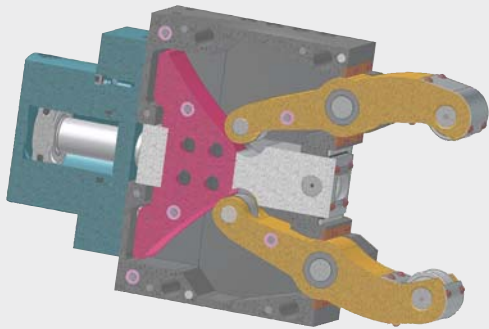
- Improves machining accuracy by supporting unstable, heavy or long workpieces
- The arms and center rollers are interconnected and designed to self-adjust to various size workpieces
- The mechanical design improves durability by eliminating the need for springs



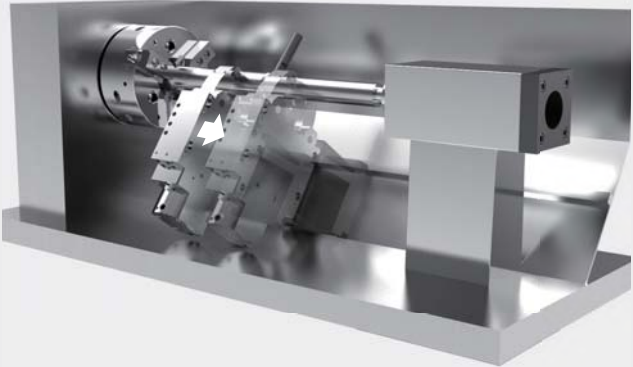
Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2	P3	R	S	T	U1	U2
STA-1	207	137	51	64	118	132	55	70	33	24	20	12	19	6	70	84	66	66	50.5	11	37	4	64
STA-2	279.5	195	70	85	170	190	70	70	33	42	35	19	35	21	84.5	102	72	75	74	14	52	8	101
STA-3	431	312	115	135	262	290	85	100	37	52	45	25	47	25	120	137	90	100	119	18	85	11	152
STA-3.1	440	320	123	135	262	290	85	100	37	52	45	25	47	25	120	137	90	100	124	18	93	20	165
STA-3.2	455	335	138	135	262	290	85	100	37	52	45	25	47	25	120	137	90	100	139	18	103	50	220
STA-4	608	448	146	240	365	400	110	144	37	67	60	25	52	32	160	165	102	110	172	23	128	35	245
STA-5	697.5	510	178	270	400	440	145	144	37	83	75	29	62	36	187.5	165	102	110	209	23	160	45	310
STA-5.1	717.5	530	198	270	400	440	145	144	37	83	75	29	62	36	187.5	165	102	110	229	23	180	85	350
STA-6	944.5	709	215	330	640	680	145	158	37	83	75	29	80	42	235.5	190	115	130	290	27	175	125	460

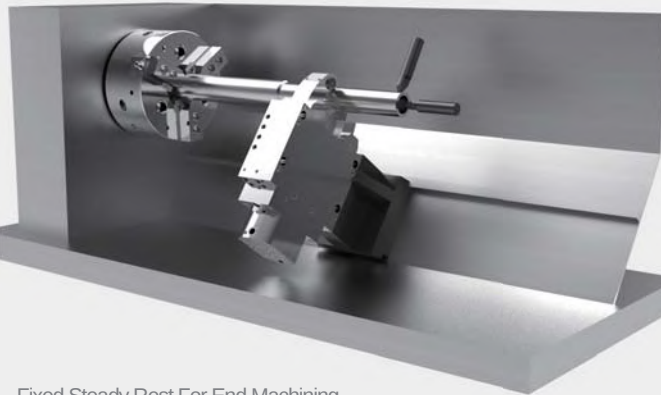
Fixed or Travelling Applications



Fixed Tandem Steady Rest



Travelling Steady Rest



Fixed Steady Rest For End Machining

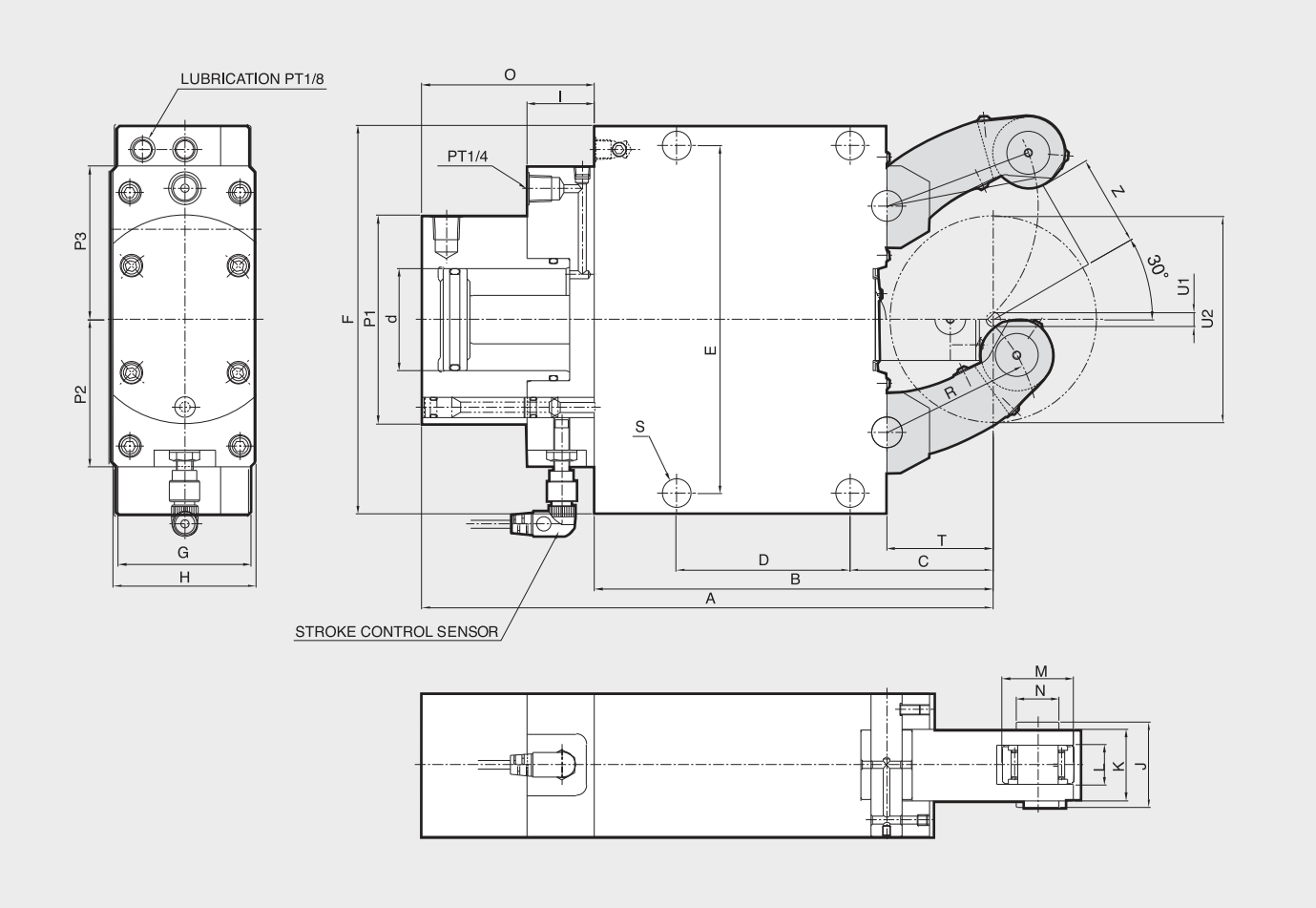
Specifications

Type	Piston Area	Max. Clamping Force / Roller	Operation Pressure		Centering Range		Max. Roller Surface Speed	Centering Accuracy	Repeatability Accuracy	Weight
			Max.	Min.	Max.	Min.				
STA-1	7	100	50	6	64	4	800	0.02	0.005	6
STA-2	19.6	450	70	8	101	8	800	0.02	0.005	14
STA-3	50	1000	60	8	152	12	725	0.04	0.007	39
STA-3.1	50	1000	60	8	165	20	725	0.04	0.007	40
STA-3.2	50	1000	60	8	200	50	725	0.04	0.007	43
STA-4	78	1500	60	8	245	30	715	0.05	0.007	92
STA-5	78	2000	80	8	310	45	700	0.06	0.01	152
STA-5.1	78	2000	80	8	350	85	700	0.06	0.01	155
STA-6	132	3000	70	8	460	125	700	0.06	0.01	420

STRA

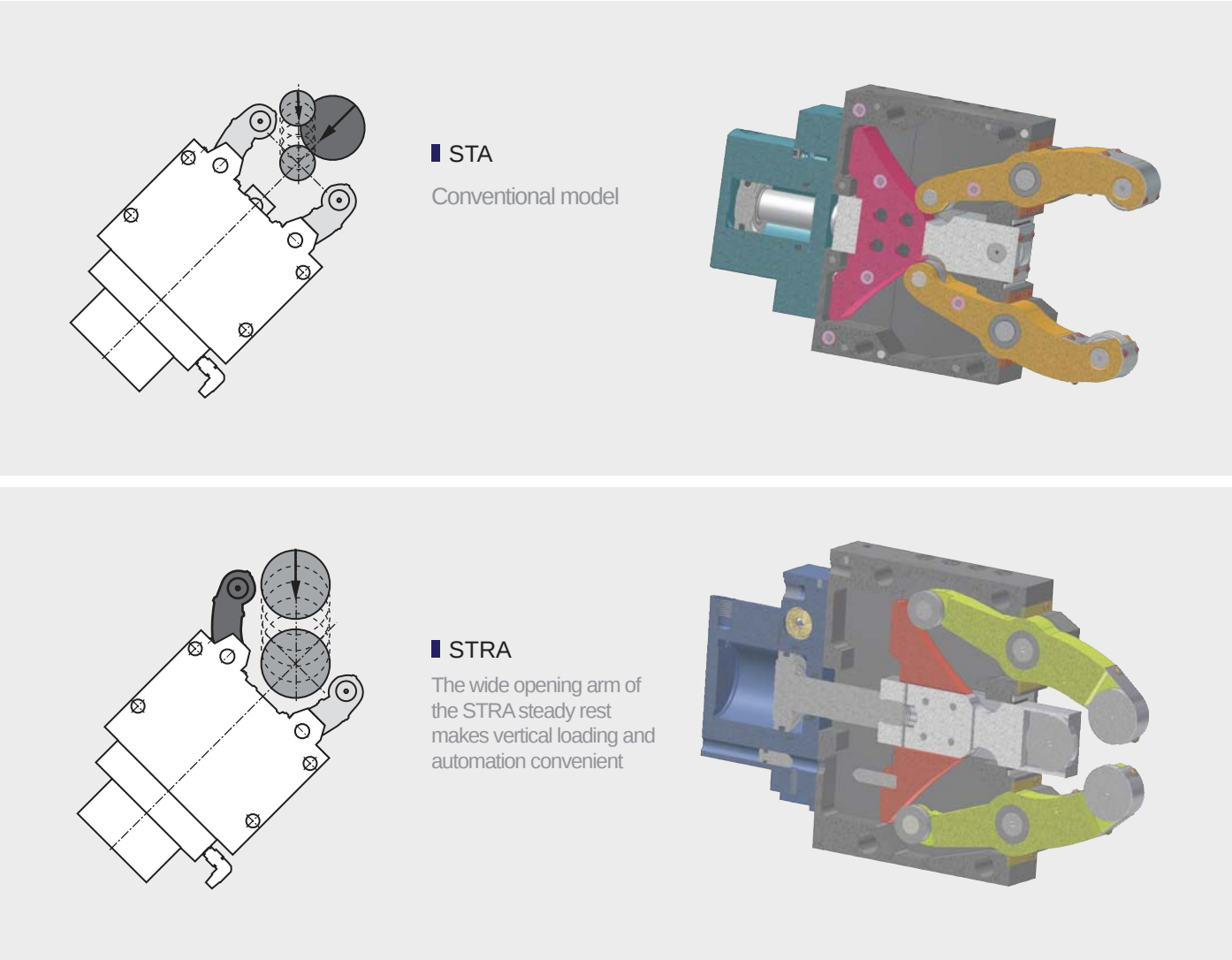
Wide-Opening Self-Centering Steady Rest

- Improves machining accuracy by supporting unstable, heavy or long workpieces
- The arms and center rollers are interconnected and designed to self adjust to various size workpieces
- Improves durability by eliminating the need for springs
- The wide opening arm of the STRA series facilitates the loading and unloading of components and makes automation possible



Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P1	P2	P3	R	S	T	Z	U1	U2
STRA-1	207	137	51	64	118	132	55	70	33	24	20	12	19	6	70	84	66	66	50.5	11	37	26.5	4	52
STRA-2	279.5	195	70	85	170	190	70	70	33	42	35	19	35	21	84.5	102	72	75	74	14	52	41	8	80
STRA-3	431	312	115	135	262	290	85	100	37	52	45	25	47	25	120	137	90	100	119	18	85	66	12	130
STRA-3.1	440	320	123	135	262	290	85	100	37	52	45	25	47	25	120	137	90	100	124	18	93	76	22	150
STRA-4	608	448	146	240	365	400	110	144	37	67	60	25	52	32	160	165	102	110	172	23	128	111	30	220
STRA-5	688.5	510	178	270	400	440	145	144	37	83	75	29	62	36	187.5	165	102	110	209	23	160	135	50	268
STRA-6	944.5	709	215	330	640	680	145	158	37	83	75	29	80	42	235.5	190	115	130	290	27	175	230	160	460



Specifications

Type	Piston Area	Max. Clamping Force / Roller	Operation Pressure		Centering Range		Max. Roller Surface Speed	Centering Accuracy	Repeatability Accuracy	Weight
			Max.	Min.	Max.	Min.				
	[cm ²]	[kgf]					[m/min]	[mm]	[mm]	[kg]
STRA-1	7	100	50	6	52	4	800	0.02	0.005	6
STRA-2	19.6	450	70	8	80	8	800	0.02	0.005	14
STRA-3	50	1000	60	8	130	12	725	0.04	0.007	39
STRA-3.1	50	1000	60	8	150	22	725	0.04	0.007	40
STRA-4	78	1500	60	8	220	30	715	0.05	0.007	92
STRA-5	78	2000	80	8	268	50	700	0.06	0.01	152
STRA-6	132	3000	70	8	460	160	700	0.06	0.01	420