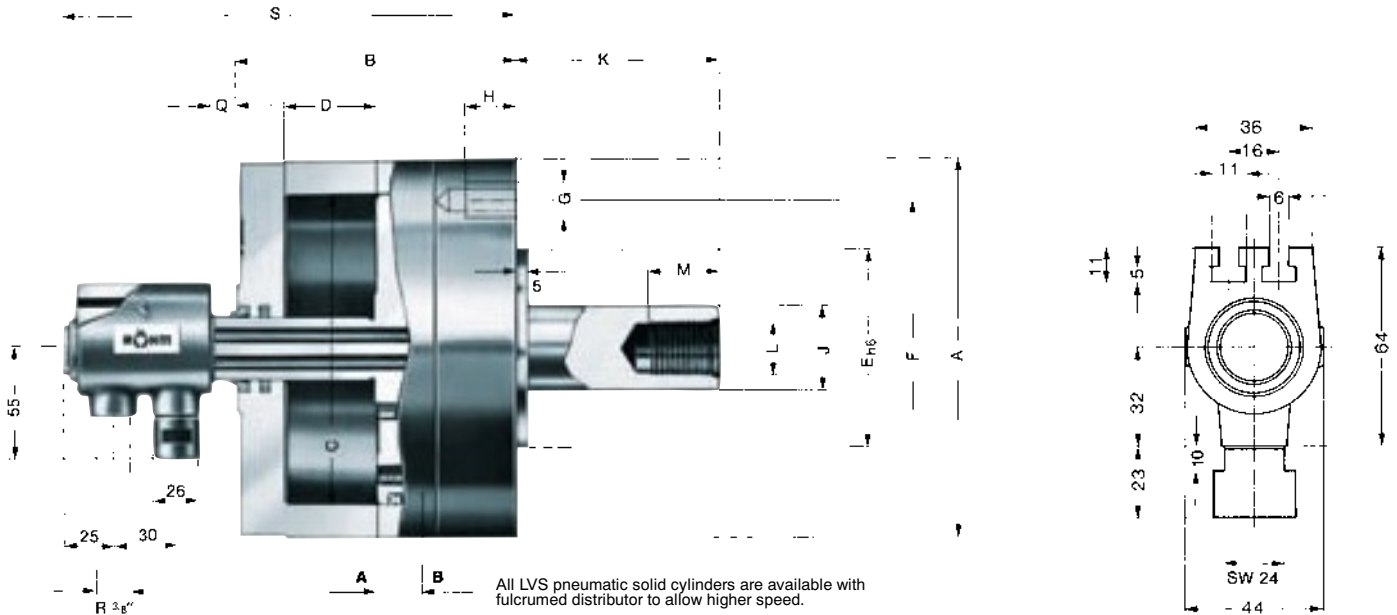

**Type 556-60**

Size		150	200	250	300	
Id.-No.		231993	232000	232005	232012	
With high and low pressure chucking the change-over of the safety valve is guaranteed when chucking pressure : releasing pressure ≤ 2,5 : 1	A	180	240	287	337	
	B	224	227	227	272	
	C	150	200	250	300	
	D stroke	32	32	32	50	
	E <sub>h6</sub>	95	95	125	140	
	F	145	145	170	200	
	G	4 x M 16	4 x M 16	6 x M 16	6 x M 16	
	H	24	24	24	24	
	J	25	35	35	50	
	K	max.	74	87	87	105
		min.	42	55	55	55
	L	M 16	M 24	M 24	M 30	
	M	35	50	50	60	
Min. reach of draw bar	N	28	43	43	53	
		Q	max. 44	44	44	62
		min. 12	12	12	12	
	S	max. 341	344	344	407	
		min. 309	312	312	357	
Piston area	A cm <sup>2</sup>	285,5	563	917	1349	
	B cm <sup>2</sup>	288	558	911	1333	
Eff. draw bar pull (F = 6 bar)	daN	1700	3300	5400	7950	
Max. admissible speed	min <sup>-1</sup>	5000	4500	4000	3200	
Air consumption for full double stroke	NL at 6 bar	12,5	22	34	80	
Moment of inertia J	kgm <sup>2</sup>	0,06	0,17	0,385	0,8575	
Weight approx.	kg	22,5	37,5	45,5	52	



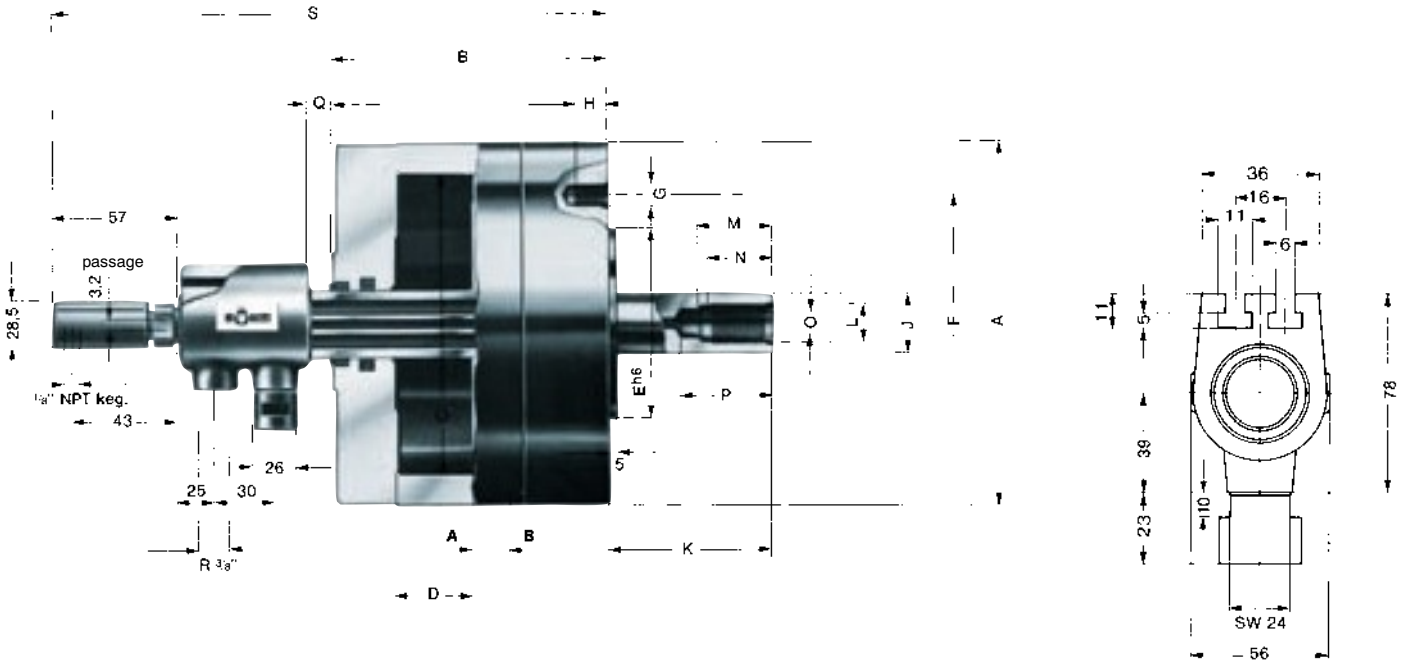
### Type 555-60

Size		85	105	130	150	200	250	300	350	
Id.-No.		96553	96554	96555	96556	96557	96558	96559	96560	
With high and low pressure chucking the change-over of the safety valve is guaranteed when chucking pressure : releasing pressure $\leq 2,5 : 1$	A	110	130	155	180	240	287	337	387	
	B	115	115	117	128	125	125	125	148	
	C	85	105	130	150	200	250	300	350	
	D stroke	32	32	32	32	32	32	32	45	
	E <sub>h6</sub>	50	50	80	95	95	125	125	125	
	F	80	80	105	145	145	170	170	170	
	G	3 x M 10	3 x M 10	3 x M 12	4 x M 16	4 x M 16	6 x M 16	6 x M 16	6 x M 16	
	H	23	23	27	35	35	35	35	35	
	J	25	25	25	25	35	35	35	35	
	K	max.	62	88	79	74	87	87	82	82
		min.	30	56	47	42	55	55	50	37
	L	M 12	M 12	M 16	M 16	M 24	M 24	M 24	M 24	
	M	18	18	24	24	36	36	36	36	
	Q	max.	44	44	44	44	44	44	44	57
		min.	12	12	12	12	12	12	12	12
S	max.	231	231	233	244	241	241	241	277	
	min.	199	199	201	212	209	209	209	232	
Piston area	A cm <sup>2</sup>	49,7	79,5	125,7	169,6	307,1	483,8	699,8	955	
	B cm <sup>2</sup>	51,8	81,7	127,8	171,8	304,5	481,5	697,2	952,5	
Eff. draw bar pull (F = 6 bar)	kN	3	4,80	7,50	10	18	28,50	41,50	56,50	
Max. admissible speed	min <sup>-1</sup>	5000	5000	5000	5000	4500	4000	3200	3200	
Air consumption for full double stroke	NL at 6 bar	2,8	4,6	6,5	7,5	12,5	18	26	50	
Moment of inertia J	kgm <sup>2</sup>	0,007	0,009	0,03	0,06	0,09	0,10	0,237	0,45	
Weight approx.	kg	5,3	6,5	9	12,5	19,5	23	28,5	32,5	

Matching chuck sizes page 296

# Air actuating cylinders without through-hole LVS

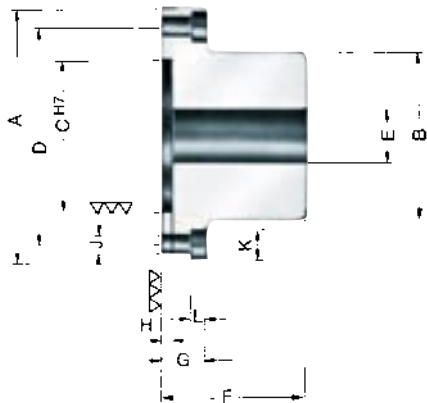
with central passage  $\varnothing 3,2$  mm for air, oil or coolant, with safety device and stroke control, non-rotating distributor - up to 10 bar



Type 555-70 with central passage  $\varnothing 3,2$  mm

Size		85	105	130	150	200	250	300	350	
Id.-No.		241621	241622	241623	241624	241625	241626	241627	241628	
With high and low pressure chucking the change-over of the safety valve is guaranteed when chucking pressure : releasing pressure $\leq 2,5 : 1$	A	110	130	155	180	240	287	337	387	
	B	115	115	117	128	125	125	125	148	
	C	85	105	130	150	200	250	300	350	
	D stroke	32	32	32	32	32	32	32	45	
	E <sub>h6</sub>	50	50	80	95	95	125	125	125	
	F	80	80	105	145	145	170	170	170	
	G	3 x M 10	3 x M 10	3 x M 12	4 x M 16	4 x M 16	6 x M 16	6 x M 16	6 x M 16	
	H	23	23	27	35	35	35	35	35	
	J	25	25	25	25	35	35	35	35	
	K	max.	62	88	79	74	87	87	82	82
		min.	30	56	47	42	55	55	50	37
	L	M 12	M 12	M 16	M 16	M 24	M 24	M 24	M 24	
	M	26	26	31	31	45	45	45	45	
Min. reach of draw bar	N	22	22	26	26	39	39	39	39	
	O <sup>H8</sup>	9	9	12	12	18	18	18	18	
	P	35	35	40	40	60	60	60	60	
	Q	max.	44	44	44	44	44	44	44	57
		min.	12	12	12	12	12	12	12	12
	S	max.	288	288	290	301	298	298	298	334
min.		256	256	258	269	266	266	266	289	
Piston area	A cm <sup>2</sup>	45,4	75,2	121,4	165,4	302,8	479,5	695,5	950,8	
	B cm <sup>2</sup>	51,8	81,7	127,8	171,8	304,5	481,5	697,2	952,5	
Eff. draw bar pull (F = 6 bar)	kN	3	4,80	7,50	10	18	28,50	41,50	56,50	
Max. admissible speed	min <sup>-1</sup>	4000	4000	4000	4000	4000	4000	3200	3200	
Air consumption for full double stroke	at 6 bar NL	8	4,6	6,5	7,5	12	18	26	50	
Moment of inertia J	kgm <sup>2</sup>	0,007	0,009	0,03	0,06	0,09	0,10	0,297	0,45	
Weight approx.	kg	5,8	7	9,5	13	20	24	30	34	

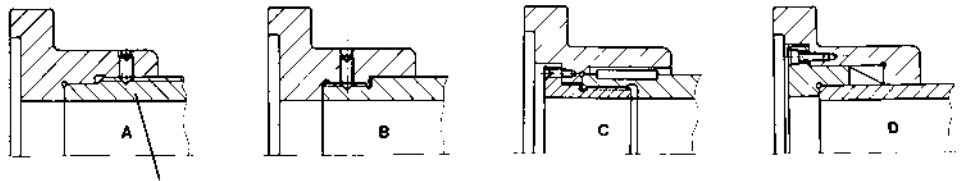
# RÖHM GF cast adaptor plates for actuating cylinders OVS, LVS, LTS



Type 552-86 = finished on cylinder side

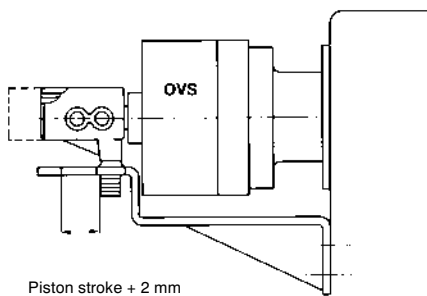
Size	OVS	85-105	130	150	200	-
Size	LVS	85-105	130	150-200	250-350	-
Size	LTS	-	-	150-200	250	300
	Id.-No.	61528	61529	61530	61531	33541
A		100	130	175	200	240
B		60	75	115	140	160
C		50	80	95	125	140
D		80	105	145	170	200
E		30	37	42	52	52
F		130	140	140	140	140
G		20	25	26	26	26
H		6	6	6	6	6
J		11	14	18	18	18
K		18	20	26	26	26
L		10	12	16	16	16
Number of mounting bolts		3	4	4	6	6

Possible methods of mounting adaptor plates on spindle noses

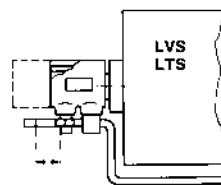


Machine spindle

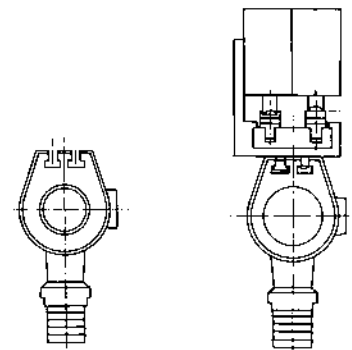
Support bracket for OVS/LTS hydraulic cylinder, without through-hole, with safety-device and stroke control



Piston stroke + 2 mm



Piston stroke + 2 mm



Thickness of brackets should be between 6 and 10 mm depending on the size of the cylinder.

According to the regulations of the German Employers' Liability Insurance Association rotating cylinders must be covered by a hood on the machine-side.

## RÖHM Matching chuck sizes OVS, LVS, LTS

OVS Size		85	105	130	150	200			
3- and 4-jaw chucks	KFD	85-125+140	130	160	160-250	200-1600			
	KFD-HS	110	110-175	200	250	315-500			
	DURO-NC		140	160	175+2000	250-630			
	KFD-HE		160	160+200	250	315+400			

LVS Size			130	150	200	250	300	350
3- and 4-jaw chucks	KFD		85-125+140	85-125+140	130	160	200+250	250-315
	DURO-NC					160	200+250	315-600
	KFD-HE					160	200+250	300+400

LTS Size				150	200	250	300	
3- and 4-jaw chucks	KFD			130	160-250	200-315	250-400	
	DURO-NC				160+200	250		
	KFD-HE				160+200	250	315+400	

OVS Size		85	105	130	150	200		
2-jaw chucks	KFD	125-140	130+160	160+200	160-250	200-630		