



TRUCK & AUTO PARTS
Since 1983

SAP SHANGHAI TRUCK PARTS CO.,LTD.



Enterprise Profile

SAP SHANGHAI Truck Parts Co. is a division of SAP USA Truck & Auto Parts dedicated to the manufacture of brake chambers and components for American, European, and Japanese trucks.

SAP SHANGHAI Truck Parts Co. has developed vast expertise in the aftermarket truck industry for over 25 Years. Our company has strengthened our commitment to customers by expanding to Shanghai in order to facilitate access to our medium and heavy duty truck, trailer, and bus applications.

We offer reliability and quality; all of our brake chambers are certified ISO9001:2000.

Call us; we are here to serve you.

Quality Policy:

Customer service and quality are our number one priority. We take pride in serving you and commit to provide the highest quality through continuous improvements in our services and products.

Quality Objective:

Apply continuous improvements to our factory and products in order to maintain 100% customer satisfaction.





101#



102#



103#



104#



105#



106#



107#



108#



109# - 110#



111#



112# - 113#



114#



115#



116# - 117#



118#



119#



120#



121# - 122#



123# - 124# - 125#



126# - 127#



128# - 129# - 130#



131#



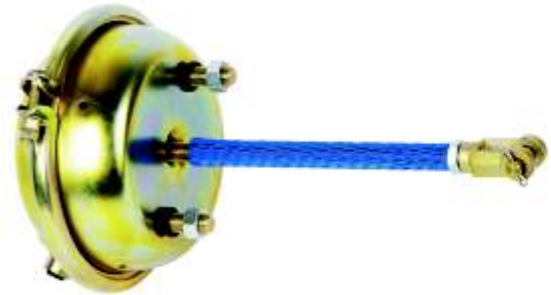
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135# - 137#



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142# - 143#



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202#



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206# - 205#



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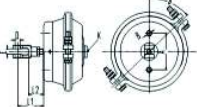
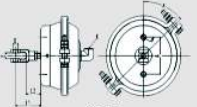
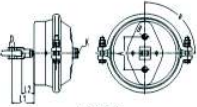
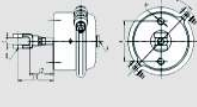
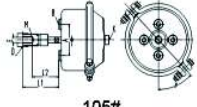
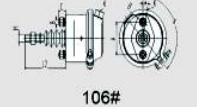
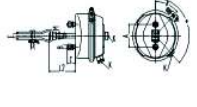
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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 <p>101#</p>	SAP-EQ140T	82	2-M12	Female Thread	Z1/4	13.50	12	M14×1.5	205	180	/	166° (Left) 14° (Right)	50
	SAP-EQ140	82	2-M12	Female Thread	Z1/4	12.50	12	M12	52	27	/	90°	50
	SAP-EQ140-A	82	2-M12	Female Thread	Z1/4	12.50	12	M14×1.5	201	176	/	90°	50
	SAP-EQ141-B	82	2-M12	Female Thread	Z1/4	13.50	12	M14×1.5	205	180	/	166° (Left) 14° (Right)	50
	SAP-EQ140T-A	82	2-M12	Female Thread	Z3/8	13.50	12	M14×1.5	205	180	/	166° (Left) 14° (Right)	50
	SAP-EQ141T-B	82	2-M12	Female Thread	M16×1.5	13.50	12	M14×1.5	205	180	/	166° (Left) 14° (Right)	50
	SAP-EQ145	82	2-M12	Female Thread	Z1/4	12.50	12	M12	59	34	/	166° (Left) 14° (Right)	50
 <p>102#</p>	SAP-EQ153	82	2-M12	Female Thread	Z1/4	13.50	12	M14×1.5	207	182	/	135° Left 45° (Right)	≥45
 <p>103#</p>	SAP-3519DF	82	2-M12	Female Thread	Z1/4	12.50	12	M12	52	27	/	90°	50
 <p>104#</p>	SAP-EQ1058	82	2-M12	Female Thread	Z1/4	12.50	12	M12	62	37	/	26°(Left) 154°(Right)	50
	SAP-EQ1058	82	2-M12	Female Thread	Z1/4	12.50	12	M12	60	35	/	90°	50
	SAP-EQ1058-A	82	2-M12	Female Thread	Z1/4	12.50	12	M12	60	35	/	26°(Left) 154°(Right)	45
	SAP-EQ140	82	2-M12	Female Thread	Z1/4	12.50	12	M12	59	34	/	90°	50
	SAP-ZM440	76	2-M12×1.25	Female Thread	Z3/8"			M14×1.5		148	/	135°	60
 <p>105#</p>	SAP-ZM440	100	4-M10	Female Thread	Z3/8"		M14×1.5		45	/	0°	60	
	SAP-ZM443	100	4-M10	Female Thread	Z3/8"	12.50	12	M16×1.5	326	300	/	0°	64
 <p>106#</p>	SAP-T9	76.2	2-M12×1.5	25	M16×1.5		M16×1.5	/	195	0°	135°	57	
 <p>107#</p>	SAP-T12	76.2	2-M12×1.5	38	2-M16×1.5	14.00	14°65	M16×1.5	/	200	90°	90°	68
	SAP-T16	76.2	2-M12×1.5	38	2-M16×1.5	14.00	14°65	M16×1.5	/	193	180°	45°	80
	SAP-T24-D	120.7	2-M16×1.5	38	2-M16×1.5	14.00	14°65	M16×1.5	Long Fork	198	180°	45°	80

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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 <p>108#</p>	SAP-T20-A	120.7	2-M16×1.5	38	2-M16×1.5	14.00	14*65	M16×1.5	Long Fork	197	180°	45°	74
	SAP-T30-D	120.7	2-M16×1.5		2-M16×1.5	14.00	14*65	M16×1.5	Long Fork	195	180°	45°	75
 <p>109#</p>	SAP-T12-A	76.2	2-7/16-20UNF	28	2-Z1/4			1/2"-20UNF	/	216	90°	45°	52
	SAP-T16-D	76.2	2-7/16-20UNF	28	2-Z1/4*			1/2"-20UNF	/	216	90°	45°	59
 <p>110#</p>	SAP-T16-A	120.7	2-M16×1.5	39	M16×1.5	14.50	14	M16×1.5	240	186	/	0°	65
 <p>111#</p>	SAP-T16-B	120.7	2-M16×1.5	37	M16×1.5			SR8 (Ball Head)	/	15	45°	0°	60
 <p>112#</p>	SAP-T16-C	120.7	2-M16×1.5	37	M16×1.5	14.00	14	M14×1.5	40	23	/	0°	60
 <p>113#</p>	SAP-T16-E	120.7	2-M16×1.5	40	2-M16×1.5	14.50	12.5	M16×1.5	70	40	0°	0°	60
 <p>114#</p>	SAP-T20	120.7	2-M16×1.5	40	Z1/4	14.50	12	M16×1.5	271	239	/	90°	59
	SAP-T24	120.7	2-M16×1.5	34	Z1/4	14.50	12	M16×1.5	252	220	/	90°	59
	SAP-T24-C	120.7	2-M16×1.5	36	Z3/8	14.50	12	M16×1.5	255	224	/	90°	60
	SAP-T30-F	120.7	2-M16×1.5	40	Z3/8	14.50	12	M16×1.5	270	228	/	45°	75



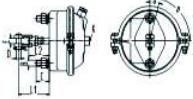
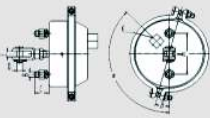
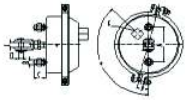
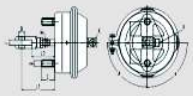
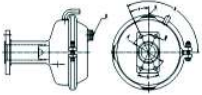
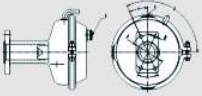
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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 115#	SAP-T20-B	120.7	2-M16×1.5	38	G3/8-M16×1.5	14.50	14	M16×1.5	255	200	180°	45°	70 (Air Cavity) 75 (Oil Cavity)
 116#	SAP-T20-C	120.7	2-M16×1.5	38	M16×1.5	14.50	14	M14×1.5	42	9	/	0°	70
 117#	SAP-T20-D	120.7	2-M16×1.5	37	2-M16×1.5	14.50	14	M16×1.5	240	186	180°	45°	70
 118#	SAP-T20-E	120.7	2-M16×1.5	40	M16×1.5	14.50	14	M16×1.5	38		/	0°	60
 119#	SAP-T20-G	120.7	2-M16×1.5	38	2-M16×1.5			Ball Head	/	15	0°	20°	60
	SAP-T24-S	120.7	2-M16×1.5		2-M16×1.5			Ball Head	/	15	180°	160°	70
 120#	SAP-T24-A	120.7	2-M16×1.5	38	Z1/4	14.50	12	M16×1.5	233	201	/	90°	62

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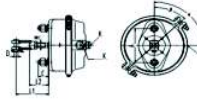
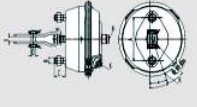

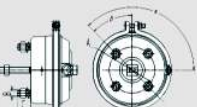
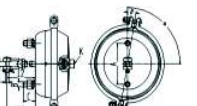
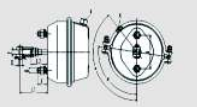
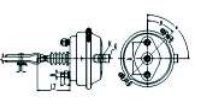


Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 121#	SAP-T24-B(SX1160)	120.7	2-M16×1.5	38	M22×1.5	14.00	14	M14×1.5	54	23	10°	10° (Left) 170° (Right)	50
 122#	SAP-T24-E	120.7	2-M16×1.5	37	M16×1.5	14.50	14	M16×1.5	37		/	0°	60
 123#	SAP-T24-G	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	250	195	0°	225°	80
 124#	SAP-T24-TOP1	76.2	2-M12×1.25	Female Thread	Z3/8	14.15	12	M14×1.5	215	187	45°	0°	55
 125#	SAP-T24-TOP2	120.7	2-M16×1.5	36	Z3/8	14.15	12	M14×1.5	88	60	45°	0°	55
	SAP-T24-Q	120.7	2-M16	37	Z3/8	12.00	12	M16×1.5	90	62	105°	0°	58
 126#	SAP-T24-J	120.7	2-M16×1.5	38	M22×1.5	14.50	12	M16×1.5	270	228	0°	0°	64
	SAP-T24SD	120.7	2-M16×1.5	40	M16×1.5	13.00	12	M16×1.5	235	206	45°	45°	55
 127#	SAP-T24-P	120.7	2-M16×1.5	38	2-M16×1.5	14.50	12	M16×1.5	/	265	0°	0°	65

Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 128#	SAP-T24-K	120.7	2-M16×1.5	38	2-M16×1.5	14.50	12	M16×1.5	245	214	0°	90°	60
 129#	SAP-T24-L	100	2-M14×1.5	34	G1/4	14.50	14	M16×1.5	68	40	135° (Left) 45° (Right)	0°	55
 130#	SAP-T24-M	120.7	2-M16×1.5	39	M16×1.5	14.50	12	M16×1.5	445	414	90°	45°	75
 131#	SAP-T24-N	110	2-M16×1.5	39	M20×1.5 (External Thread)	14.00	16	M16×1.5	180	150	90°	90°	50
 132#	SAP-T24-R	$\phi 87.5/50^*$	4- $\phi 10.5$		Z1/4"					-87	25	115	60
 133#	SAP-T24-U	120.7	2-M16×1.5	38.5	M22×1.5 (Hole)	14.50	12.5	M16×1.5	148	117	180°	45°	60

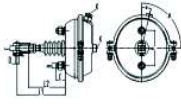
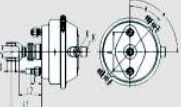
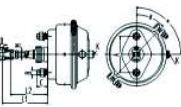
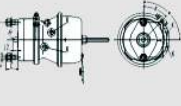
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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 <p>134#</p>	SAP-T30	120.7	2-M16×1.5		2-Z1/4	14.50	12	M16×1.5	259	217	90°	45°	85
	SAP-T30-A	120.7	2-M16×1.5		2-Z1/4	14.50	12	M16×1.5	277	235	0°	45°	67
	SAP-T30WC	120.7	2-M16×1.5		2-Z3/8	14.50	12	M16×1.5	188	146	0°	45°	60
	SAP-D30	120.7	2-M16×1.5	32	2-Z1/4	14.50	12	M16×1.5	210	168	0°	90°	75
	SAP-T30-E	120.7	2-M16×1.5		2-M16×1.5	14.50	14	M16×1.5	246	191	0°	45°	73
 <p>135#</p>	SAP-T30-C	120.7	2-M16×1.5		2-M16×1.5	14.00	14*65	M16×1.5	Long Fork	190	45°	45°	75
 <p>136#</p>	SAP-T30-G	120.7	4-M16×1.5		2-Z3/8*			M16×1.5	No Fork Connection	225	45°	135°	64
 <p>137#</p>	SAP-T30-I	120.7	2-M16×1.5	42	2-Z1/4* (Hole Trap)	14.50	12.5	5/8-18UNF	235	204	0°	45°	55
 <p>138#</p>	SAP-T36	120.7	2-M16×1.5	40	2-Z3/8 (Hole Trap)	15.00	12	M16×1.5	294	261	0°	90°	72
 <p>139#</p>	SAP-T36-A	120.7	2-M16×1.5	36	G1/4	14.50	14	M16×1.5	65	25	140°	98°	100
 <p>140#</p>	SAP-T36-B	120.7	2-M16×1.5	36	2-M22×1.5	14.00	14*65	M16×1.5	Long Fork	185	0°	45°	80
	SAP-T36-E	120.7	2-M16×1.5	36	2-M22×1.5	14.00	14*65	M16×1.5	Long Fork	190	90°	45°	80



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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 <p>141#</p>	SAP-T36-C	120.7	2-M16×1.5	40	2-M16×1.5 (Hole)	15.00	12	M16×1.5	290	257	0°	90°	65
 <p>142#</p>	SAP-T36-D	120.7	2-M16×1.5	36	2-M22×1.5	36.00	26	M20×1.5	105	78	90°	45°	90
 <p>143#</p>	SAP-T36-F	120.7	2-M16×1.5	36	2-M16×1.5 (Hole)	14.00	14	M16×1.5	196	166	90°	45°	90
 <p>201#</p>	SAP-18/24	120.7	2-M16×1.5	38	2-M16×1.5			(Ball Head)	SR8 (Release Tension)	15	90°	270°	60
	SAP-16/24	120.7	2-M16×1.5	40	2-M16×1.5			(Ball Head)	SR8 (Release Tension)	20	90°	270°	57
	SAP-16/24-A	120.7	2-M16×1.5	40	2-M16×1.5			(Ball Head)	SR8 (Release Tension)	18	90°	270°	60
	SAP-16/24-D	120.7	2-M16×1.5	40	2-M16×1.5			(Ball Head)	SR8 (Release Tension)	15	180°	90°	60
	SAP-20/24-E	120.7	2-M16×1.5	38	2-M16×1.5			(Ball Head)	SR8 (Release Tension)	15	90°	270°	60
	SAP-24/24-H	120.7	2-M16×1.5	43	2-M16×1.5			(Ball Head)		15	180°	90°	60

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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
<p>202#</p>	SAP-16/24-B	120.7	2-M16×1.5	40	2-Z3/8	14.50	12	M16×1.5	270	239	90°	270°	58
<p>203#</p>	SAP-20/24	120.7	2-M16×1.5	40	2-M16×1.5	15.00	14	M14×1.5	44 (One Rod Fork Release Tension)		0°	0°	56
	SAP-20/24-A	120.7	2-M16×1.5	40	2-Z3/8	15.00	14	M14×1.5	44 (One Rod Fork Release Tension)		0°	0°	56
	SAP-24/24-A	120.7	2-M16×1.5	40	2-M16×1.5	15.00	14	M14×1.5	42 (One Rod Fork Release Tension)		0°	0°	57
	SAP-24/24-B	120.7	2-M16×1.5	40	2-Z3/8	15.00	14	M14×1.5	42 (One Rod Fork Release Tension)		0°	0°	60
<p>204#</p>	SAP-20/24-B	120.7	2-M16×1.5	37	2-M16×1.5	14.50	14	M16×1.5	250 (Release Tension)	210	90°	135°	60
	SAP-20/24-C	120.7	2-M16×1.5	40	2-M16×1.5	14.00	14	M16×1.5	220 (Release Tension)	189	90°	135°	60
	SAP-24/24-D	120.7	2-M16×1.5	40	2-M16×1.5	14.50	14	M16×1.5	250 (Release Tension)	210	90°	135°	64
	SAP-24/24-E	120.7	2-M16×1.5	40	2-M16×1.5	14.00	14	M16×1.5	220 (Release Tension)	184	90°	135°	62
<p>205#</p>	SAP-24/24	120.7	2-5/8-11UNC	36	2-Z3/8	14.50	12.5	5/8-18UNF	301	270	90°	135°	64 (Front Cavity) 60 (Back Cavity)
<p>206#</p>	SAP-24/24-C	120.7	2-M16×1.5	38	2-Z3/8	14.50	12.5	M16×1.5	331	300	90°	135°	60
	SAP-3530Z15	120.7	2-M16×1.5	40	2-M16×1.5	13.00	12	M16×1.5	60 (Release Tension)	31	45°	0°	60






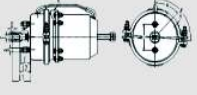
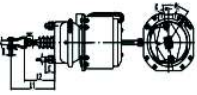
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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 207#	SAP-24/24-G	$\phi 87.5/50^*$	4- $\phi 10.5$		23/8"-21/4"			/	/	-87	/	/	60
 208#	SAP-24/30	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	260 (Release Tension)	220	90°	135°	75
 209#	SAP-24/30-C	120.7	2-M16×1.5	36	2-M16×1.5	14.50	14	M16×1.5	330	275	90°	135°	76
	SAP-30/30-K	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	510	455	90°	225°	64
 210#	SAP-24/30-D	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	260 (Release Tension)	220	90°	135°	80 (Front Cavity) 76 (Back Cavity)
	SAP-24/30-E	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	320	280	90°	0°	60 (Front Cavity) 58 (Back Cavity)
 211#	SAP-20/24-D	120.7	2-5/8-11UNC	37	2-23/8	14.50	12.5	5/8-18UNF	301	270	90°	135°	59
	SAP-20/24-F	110	2-M14×1.5	34	2-23/8"	12.50	12	M12	125	100	0°	0°	60
	SAP-20/24-G	120.7	2-M16×1.5	37	2-M16×1.5	14.50	12.5	M16×1.5	300	270	90°	135°	60
	SAP-24/30-A	120.7	2-5/8-11UNC	38	2-23/8	14.50	12.5	5/8-18UNF	308	277	90°	0°	61
	SAP-30/30	120.7	2-M16×1.5	38	2-23/8	14.50	12.5	M16×1.5	330	300	90°	0°	62
	SAP-30/30-A (American)	120.7	2-5/8-11UNC	37	2-23/8	14.50	12.5	5/8-18UNF	328	298	90°	0°	62 62
	SAP-30/30-B	120.7	2-5/8-11UNC	37	2-23/8	14.50	12.5	5/8-18UNF	225	195	90°	0°	60
	SAP-30/30-TM	120.7	2-M16×1.5	37	2-23/8	14.50	12.5	M16×1.5	260	230	90°	0°	62
	SAP-30/30-C	120.7	2-M16×1.5	37	2-23/8	14.50	15.8	M16×1.5	329	298	90°	0°	62
	SAP-30/30-D	120.7	2-M16×1.5	37	2-23/8	14.50	12.5	M16×1.5	325	295	135°	0°	60
	SAP-30/30-J	120.7	2-M16×1.5	37	2-23/8	14.50	15.8	M16×1.5	135	105	90°	0°	60
	SAP-30/30-H	120.7	2-M16×1.5	40	2-23/8	13.00	12	M16×1.5	60 (Release Tension)	31	135°	45°	60
	SAP-30/30-F	110	2-M16×1.5	37	2-23/8 (external thread)	14.50	12	M16×1.5	65	34	0°	90°	62

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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
<p>212#</p>	SAP-30/30 (Closed)	120.7	2-M16×1.5	38	2-Z3/8	14.50	12.5	M16×1.5	329	298	90°	/	62
<p>213#</p>	SAP-24/30-B	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	332	290	90°	0°	62
	SAP-30/30 (Semi-Closed)	120.7	2-5/8-11UNC	37	2-Z3/8	14.50	12.5	5/8-18UNF	329	299	90°	0°	62
	SAP-3030-M(BX7611)	120.7	2-M16×1.5	37	2-M16×1.5	14.00	14	M16×1.5	280	249	90°	135°	62
	SAP-30/30-L	120.7	2-5/8-11UNC	38	2-Z3/8	14.50	12.5	5/8-18UNF	295	265	90°	135°	64
<p>214#</p>	SAP-24/24-F	120.7	2-5/8-11UNC	36	2-Z3/8	14.50	12.5	5/8-18UNF	300	270	90°	135°	64 (Front Cavity) 60 (Back Cavity)
	SAP-30/30-P	120.7	2-5/8-11UNC	37	2-Z3/8	14.50	12.5	5/8-18UNF	331 (Clamp Nut Ball)	300	90°	135°	62
	SAP-30/30-Q	120.7	2-5/8-11UNC	37	2-Z3/8	14.50	12.5	5/8-18UNF	331	300	90°	135°	62
<p>215#</p>	SAP-30/30-R	120.7	2-M16×1.5	41	2-Z3/8"	14.50	12.5	M16×1.5	138	107	90°	0°	62
<p>301#</p>	SAP-1F/CL	82	2-M12×1.5	38	2-Z1/4	12.50	12	M14×1.5	56	27	45°	135°	60
	SAP-JLD-1F/JG	82	2-M12×1.5	43	2-Z1/4	12.50	12	M12	71	46	45°	135°	≥50
	SAP-1F/HF	82	2-M12×1.5	38	2-M18×1.5	12.50	12	M12	60	35	0°	135°	55
	SAP-1F/IR	110	2-M16×1.5	43	2-M18×1.5	13.00	12	M16×1.5	65	36	45°	0° (Left)	55
	SAP-1F/JH	110	2-M16×1.5	43	2-Z1/4	12.50	12	M12	64	39	0°	45°	55
	SAP-3F/T	120.7	2-5/8-11UNC	37	2-Z3/8	14.50	12.5	5/8"-18UNF		234	90°	0°	64

Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 <p>302#</p>	SAP-JLD-2F/A	120	2-M16×1.5	42	2-M16×1.5	16.50	16	M16×1.5	145	85	0°	135°	60
	SAP-2F/CL	110	2-M16×1.5	38	2-Z1/4	12.50	12	M14×1.5	112	87	0°	90°	60
	SAP-T24/24	120.7	2-M16×1.5	40	2-M16×1.5	14.50	12	M16×1.5	255 (Release Tension)	230	0°	90°	62
 <p>303#</p>	SAP-JQP-2F/JF	110	2-M16×1.5	38	2-Z1/4	13.00	12	M16×1.5	60	31	0°	135° (Left)	60
	SAP-2F/JH	110	2-M16×1.5	43	2-Z1/4	13.00	12	M16×1.5	60	31	140°	140° (Left)	60
 <p>304#</p>	SAP-3530RC4	120.7	2-M16×1.5	41	2-M16×1.5	13.00	12	M16×1.5	90	61	45°	90°	60
	SAP-STR-A	120.7	2-M16×1.5	43	2-M16×1.5	16.50	16	M16×1.5	65	37	0°	45°	60
 <p>305#</p>	SAP-16/16	82	2-M12	35	2-M16×1.5	14.50	12	M16×1.5	250	219	45°	135°	50
	SAP-3530R23	82	2-M12	36	2-M16×1.5	12.50	12	M12	58	33	45° (Left)	90° (Left)	≥50
	SAP-3530R23-A	82	2-M12	36	2-M16×1.5	12.50	12	M12	58	33	16° (Left)	121° (Left)	≥50
	SAP-3530.80RG35A	82	2-M12	36	2-M16×1.5	12.50	12	M12	58	33	45°	95°	55
	SAP-3530.80RG35A-Y	82	2-M12	36	2-M16×1.5	12.50	12	M12	58	33	16° (Left)	121° (Left)	55
 <p>306#</p>	SAP-3FSQ	120.7	2-M16×1.5	38	2-M16×1.5	13.00	12	M16×1.5	130	101	45°	135°	64
	SAP-3530QB-403	110	2-M16×1.5	40	2-Z3/8	14.00	14	M16×1.5	95	66	0°	90°	64
	SAP-EQ153 (Rear)	120.7	2-M16×1.5	38	2-M16×1.5	13.00	12	M16×1.5	62	33	45°	135° (Left)	64
	SAP-3F/CL	120.7	2-M16×1.5	38	2-M16×1.5	13.00	12	M16×1.5	62	33	0°	90°	64
	SAP-K26	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	73	33	90°	0°	64
	SAP-T30/24	120.7	2-M16×1.5	38	2-M16×1.5	14.50	12	M16×1.5	270	240	0°	90°	64

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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
<p>307#</p>	SAP-T16/24	120.7	2-M16×1.5	34	2-M16×1.5	14.50	14	M14×1.5	182	154	0°	45°	66
	SAP-T16/24-B	120.7	2-M16×1.5	34	2-M16×1.5	14.00	14	M16×1.5	270 (Release Tension)	239	0°	45°	60
	SAP-T16/24-C	120.7	2-M16×1.5	34	2-M16×1.5	14.50	14	M16×1.5	197	157	180°	45°	65
	SAP-T24/24-D	120.7	2-M16×1.5	40	2-M16×1.5	15.00	14	M16×1.5	187 (One Rod Fork)		180°	45°	62
	SAP-T16/24-A	120.7	2-M16×1.5	40	2-M16×1.5	14.50	14	M16×1.5	415	362	0°	45°	61
	SAP-T20/24	120.7	2-M16×1.5	43	2-M16×1.5	14.50	14	M16×1.5	300 (Release Tension)	247	0°	45°	66 (Front Cavity) 55 (Back Cavity)
<p>308#</p>	SAP-T20/30	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	300	245	0°	45°	64
<p>309#</p>	SAP-T24/24-C	120.7	2-M16×1.5	43	2-M16×1.5	14.50	14	M16×1.5	300 (Release Tension)	245	180°	45°	60
<p>310#</p>	SAP-30/26	120.7	2-M16×1.5	36	2-M16×1.5	14.00	12	M18×1.5	285	255	0°	90°	57
	SAP-30/24 (STR)	120.7	2-M16×1.5	40	2-M16×1.5	14.00	14	M16×1.5	275 (Release Tension)	244	0°	45°	58 55
	SAP-T24/24-A	120.7	2-M16×1.5	40	2-M22×1.5	14.50	14	M14×1.5	280 (Release Tension)	252	180°	45°	64
	SAP-T24/24-E	120.7	2-M16×1.5	43	2-M16×1.5	14.50	14	M16×1.5	300	245	0°	45°	62
	SAP-T24/24-G	120.7	2-M16×1.5	40	2-M16×1.5	14.50	14	M14×1.5	178	152	180°	45°	65 8
	SAP-T24/24-H	120.7	2-M16×1.5	33	2-M16×1.5	14.50	14	M14×1.6	270	242	180°	135°	62 (Front Cavity) 57 (Back Cavity)
	SAP-T24/24-J	120.7	2-M16×1.5	40	2-M22×1.5	14.50	14	M14×1.5	290	260	180°	45°	60
	SAP-T30/24-A	120.7	2-M16×1.5	38	2-M16×1.5	14.50	14	M16×1.5	285	230	0°	45°	64
<p>311#</p>	SAP-T24/24-B	120.7	2-M16×1.5	40	2-M22×1.5	14.50	14	M14×1.5	24	-4	180°	45°	60

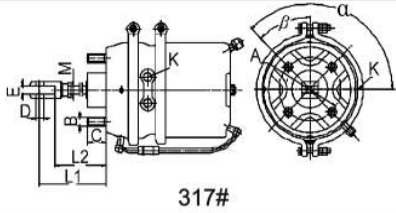
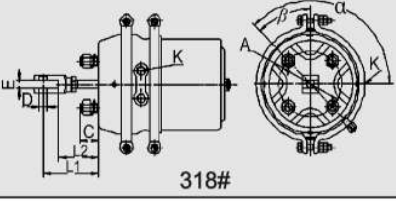
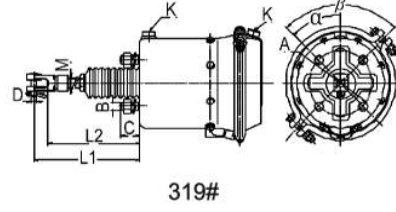
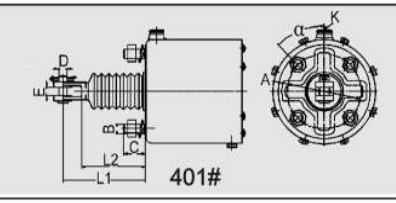
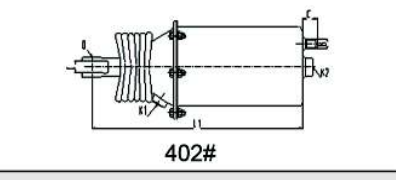
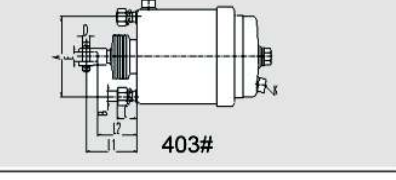
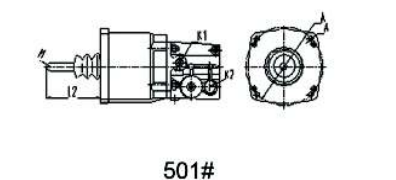


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Structure Drawing	Product Model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 312#	SAP-T24/24-I	120.7	2-M16×1.5	33	2-M16×1.5					15.5	180°	90°	62
 313#	SAP-T24/30	120.7	2-M16×1.5	40	2-M16×1.5			M16×1.5		240	180°	45°	64
 314#	SAP-T24/30-A	120.7	2-M16×1.5	43	2-M16×1.5	14.50	14	M16×1.5	322	267	0°	45°	64
	SAP-T30/30	120.7	2-M16×1.5	33	2-M16×1.5	14.50	14	M16×1.5	305	257	180°	45°	62
	SAP-T30/30-A	120.7	2-M16×1.5	42	2-M16×1.5	14.50	14	M16×1.5	88	48	0°	45°	64
	SAP-T36/30	120.7	2-M16×1.5	36	2-M16×1.5	14.50	14	M16×1.5	275	220	0°	45°	76
 315#	SAP-LD148 (Center)	120.7	4-M16×1.5	36	3-M16×1.5	12.00	12	M16×1.5	81	53	45°	135°	57
	SAP-LD148-NS4	120.7	4-M16×1.5	36	3-Z3/8"	12.00	12	M16×1.5	67(Release Tension)	40	45°	135°	57
	SAP-LD148-NL4	120.7	4-M16×1.5	36	3-Z3/8"	12.00	12	M16×1.5	267(Release Tension)	240	135°	45°	57
	SAP-LD148-NL4'	120.7	4-M16×1.5	36	3-Z1/4"	12.00	12	M16×1.5	267(Release Tension)	240	135°	45°	57
	SAP-LD148-B	120.7	4-M16×1.5	36	3-Z3/8"	14.50	12.5	M16×1.5	330(Release Tension)	300	0°	90°	59
 316#	SAP-LD148-NS2	120.7	2-M16×1.5	36	3-Z1/4"	12.00	12	M16×1.5	67(Release Tension)	40	135°	45°	57
	SAP-LD148-NL2	120.7	2-M16×1.5	36	3-Z1/4"	12.00	12	M16×1.5	267(Release Tension)	240	135°	45°	57
	SAP-LD148-NL2'	120.7	2-M16×1.5	36	3-Z3/8"	12.00	12	M16×1.5	267(Release Tension)	240	135°	45°	57
	SAP-LD148-A	120.7	2-M16×1.5	36	3-M16×1.5	12.00	12	M16×1.5	267(Release Tension)	240	135°	45°	57

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Structure drawing	Product model	Bolt Size			Connection K	Clevis		Push Rod			α	β	Stroke
		A	B	C		E	D	M	L1	L2			
 317#	SAP-ACB.01	120.7	4-M16 × 1.5	36	2-23/8"	14.00	16	M16 × 1.5	160	130	135°	45°	64
 318#	SAP-ACB.02 (Z3/8")	120.7	4-M16 × 1.5	36	2-23/8"			M16 × 1.5	160	130	135°	45°	65
	SAP-ACB.02 (Z1/4")	120.7	4-M16 × 1.5	36	2-21/4"			M16 × 1.5	160	130	135°	45°	65
 319#	SAP-L26	120	2-M16 × 1.5	36	2-M22 × 1.5	14.50	14	M18 × 1.5	143	115	90°	45°	64
	SAP-Zm440 Middle	120	4-M16 × 1.5	35	2-23/8"	14.00	12	M18 × 1.5	390	360	45°	135°	64
	SAP-ZM440-A Middle	120	4-M16 × 1.5	35	2-23/8"	14.00	12	M18 × 1.5	145	110	45°	135°	65
	SAP-ZM440-B	120	4-M16 × 1.5	35	2-21/4"	13.00	14	M18 × 1.5	143	110	45°	135°	64
	SAP-ZM440-D	120	4-M16 × 1.5	35	2-21/4"	13.00	14	M18 × 1.5	145	110	45°	135°	65
 401#	SAP-ZM440-C	120	4-M16 × 1.5	35	Z1/4"	13.00	14	M18 × 1.5	135	105	45°	/	65
 402#	SAP-T815 FRONT		M12	20	K1= M14×1.5 K2= M16×1.5	13.50	14	M14×1.5	278	256	/	/	80
	SAP-T815-A FRONT		M12	20	K1= M14×1.5 K2= M16×1.5	13.50	14	M14×1.5	278	256	/	/	80
 403#	SAP-T815 REAR	120	2-M16	29	2-M16 × 1.5	13.50	14	M14×1.5	150	125	90°	/	45
	SAP-T815-A REAR	120	2-M16	29	2-M16 × 1.5	14	14	M14×1.5	150	125	90°	/	45
 501#	SAP-T815CZ	130			K1= M14×1.5 K2= M16×1.5			SR6	BALL	90	/	/	60