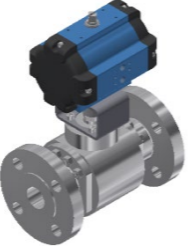
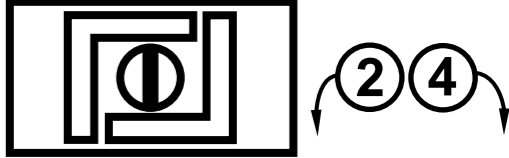

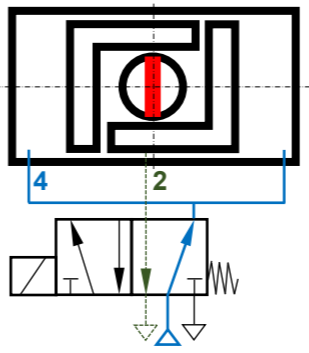
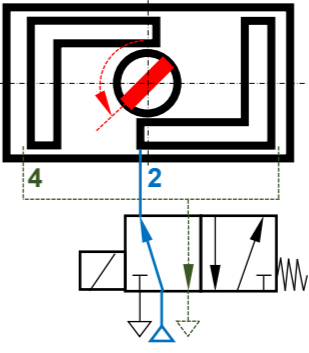
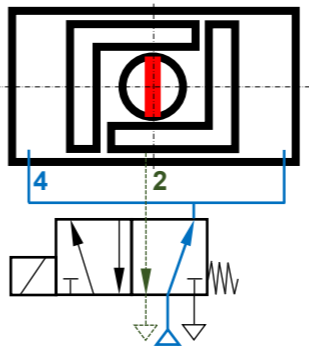
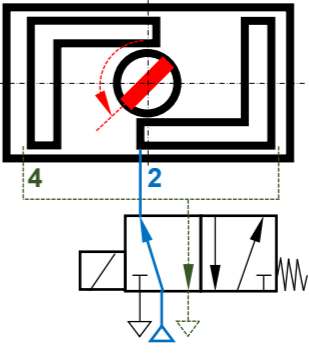
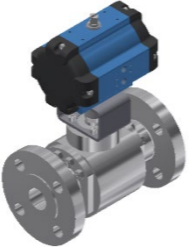
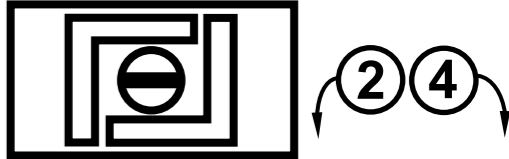

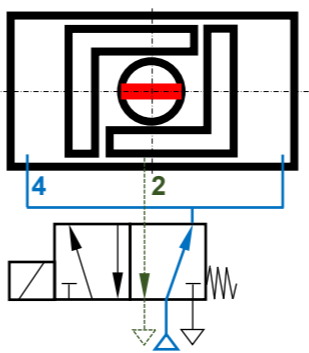
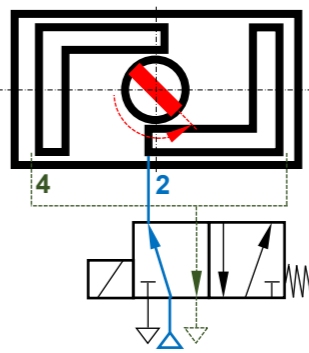
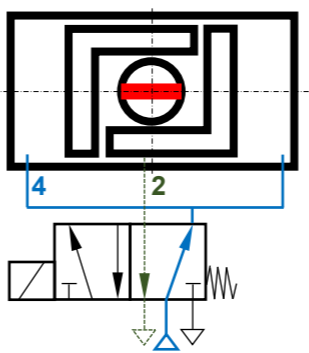
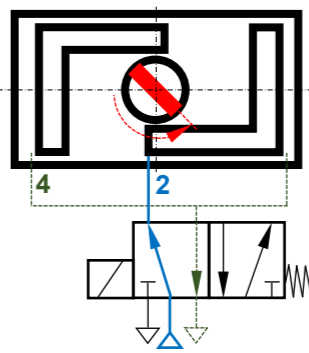
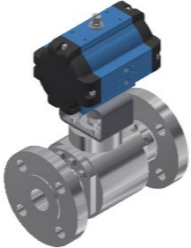
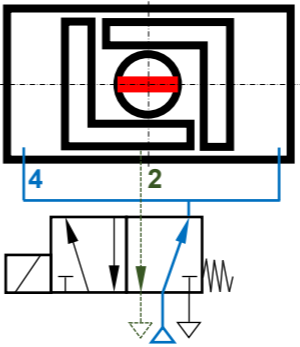
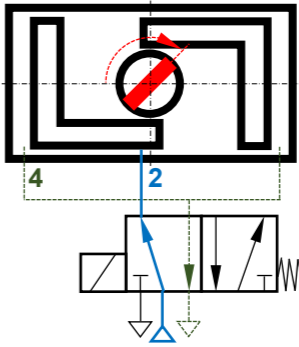
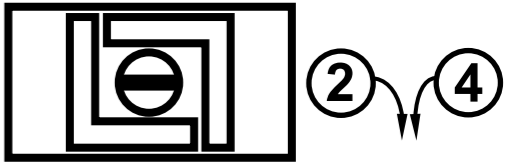
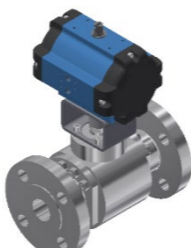
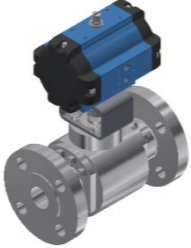
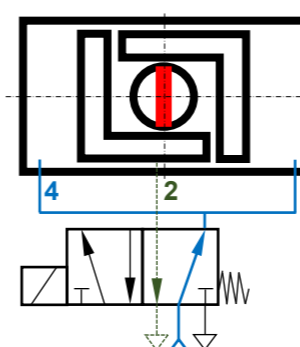
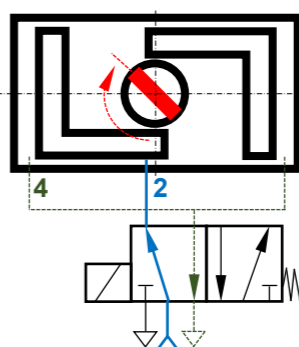
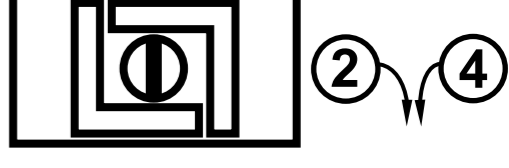
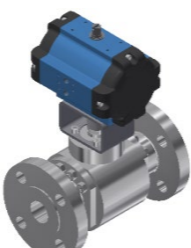
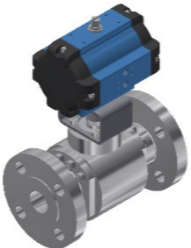
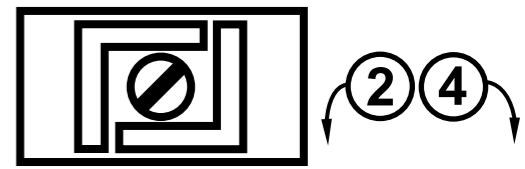
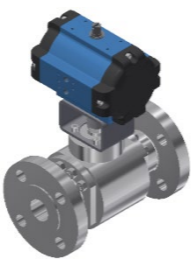
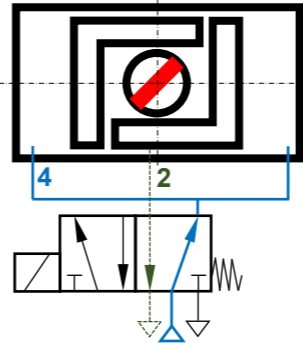
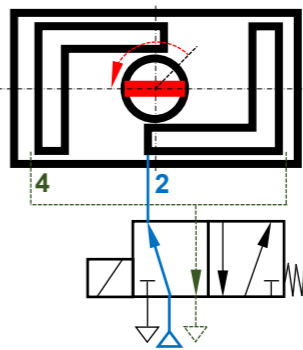
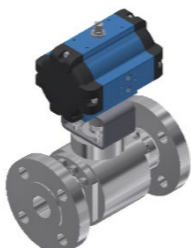
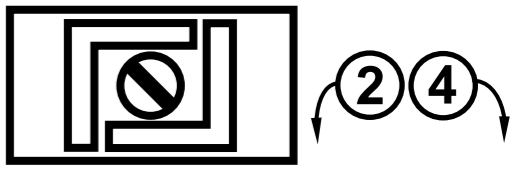
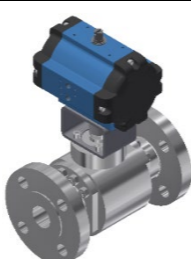
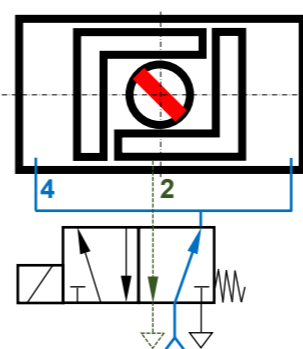
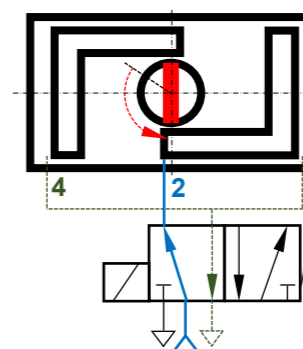
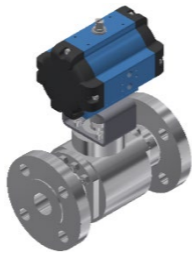
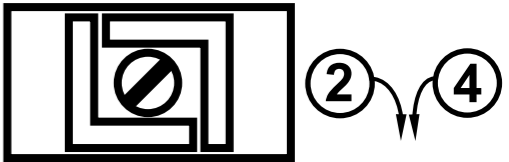
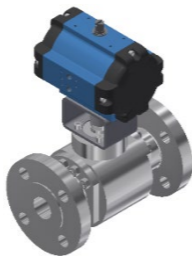
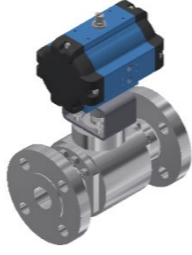
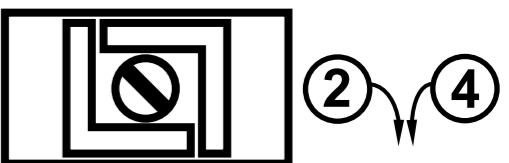
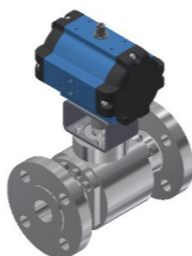


1. SAD - DOUBLE-ACTING

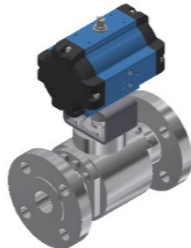
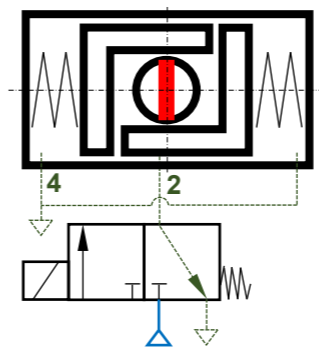
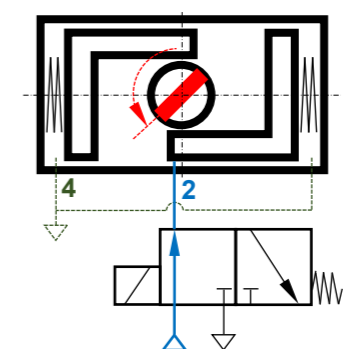

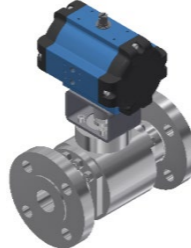
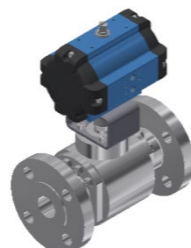
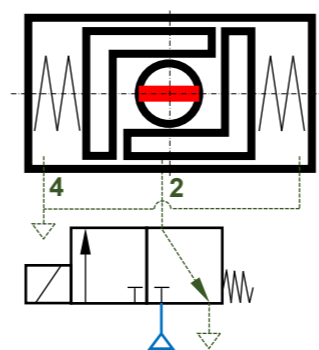
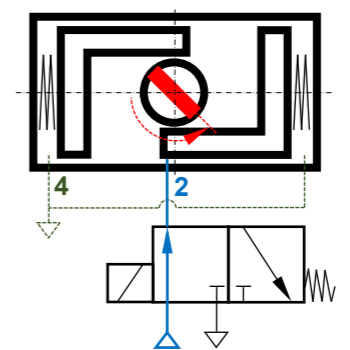


VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
01	RIGHT	Standard <i>old designation SAD xx-135 clockwise KL-046 for left turnout (for size ≥ 35)</i>		Standard Control via 5/2-way valve with NAMUR Connection	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates clockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates anticlockwise	VARIANT 01 OPERATING DIRECTION RIGHT 
		Transverse			 	 	
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
02	RIGHT	Standard		Pinion rotated 90 Control via 5/2-way valve with NAMUR Connection	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates clockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates anticlockwise	VARIANT 02 OPERATING DIRECTION RIGHT 
		Transverse			 	 	

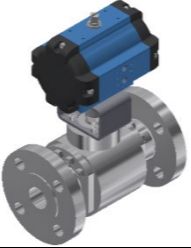
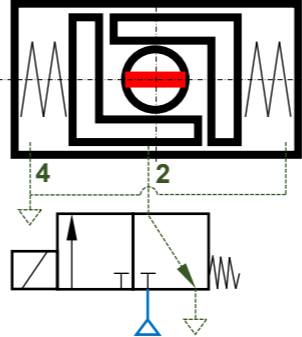
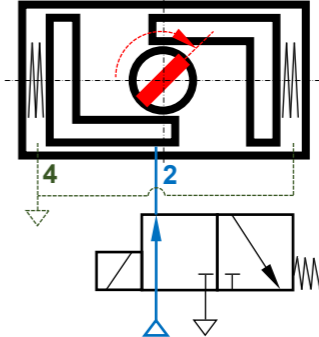

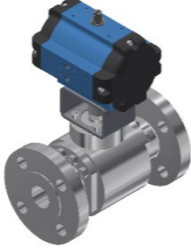
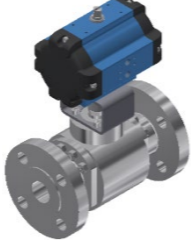
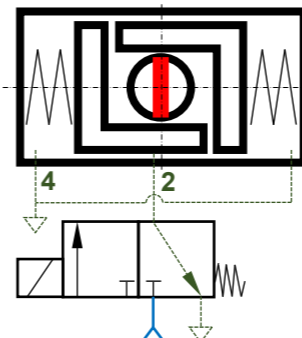
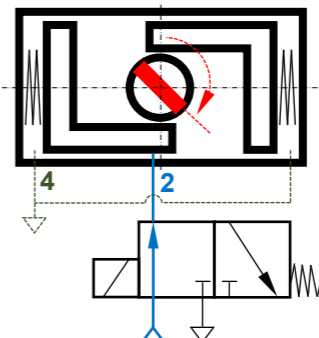

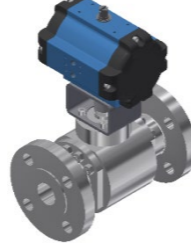
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
03	LEFT	Standard		Pinion rotated 90 Piston rotated 180 Control via 5/2-way valve with NAMUR Connection	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates anticlockwise 	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates clockwise 	VARIANT 03 OPERATING DIRECTION LEFT 
		Transverse					
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
04	LEFT	Standard <i>old designation SAD xx-135 counterclockwise KL-046 for right turnout (for size ≥ 35)</i>		Piston rotated 180 Control via 5/2-way valve with NAMUR Connection	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates anticlockwise 	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates clockwise 	VARIANT 04 OPERATING DIRECTION LEFT 
		Transverse					

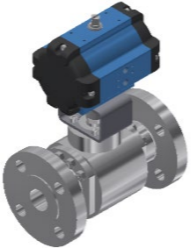
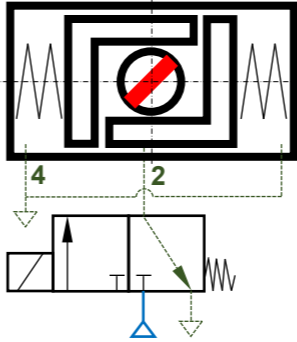
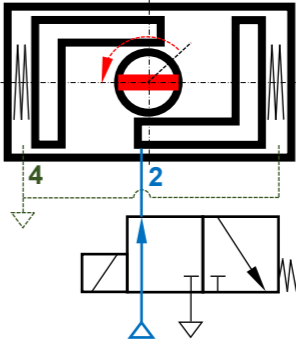
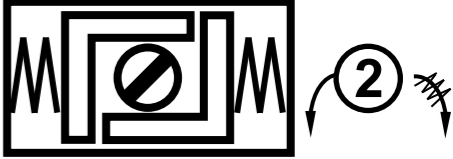

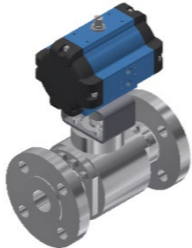
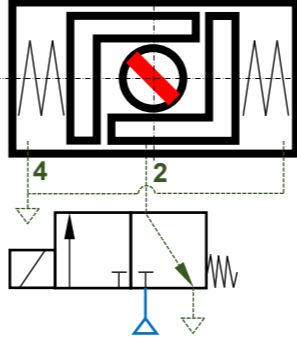
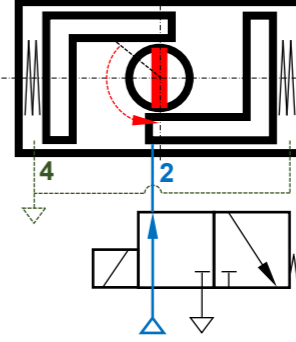

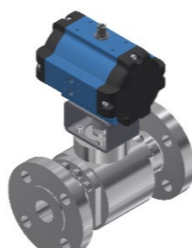
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
05	RIGHT	Standard <i>old designation</i> SAD xx-135 clockwise KL-046 for left turnout (for size ≤ 30)		SPECIAL	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates clockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates anticlockwise	<p>VARIANT 05 OPERATING DIRECTION RIGHT</p> 
		Transverse					
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
06	RIGHT	Standard		SPECIAL	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates clockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates anticlockwise	<p>VARIANT 06 OPERATING DIRECTION RIGHT</p> 
		Transverse					

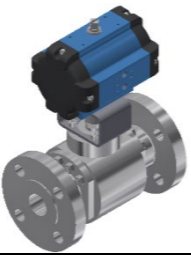
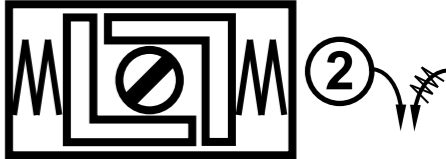
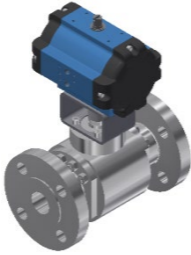
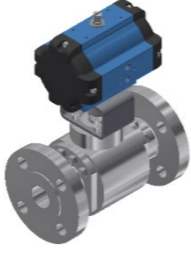

VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
07	LEFT	Standard		SPECIAL	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates anticlockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates clockwise	VARIANT 07 OPERATING DIRECTION LEFT 
		Transverse					
08	LEFT	Standard <i>old designation SAD xx-135 counterclockwise KL-046 for right-hand turnout (for size ≤ 30)</i>		SPECIAL	Exhaust inner chamber (2) Venting outer chamber (4) → Pinion rotates anticlockwise	Venting inner chamber (2) Exhaust outer chamber (4) → Pinion rotates clockwise	VARIANT 08 OPERATING DIRECTION LEFT 
		Transverse					

2. SAF-SIMPLE-ACTING

VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
01	RIGHT	Standard		Standard Control via 3/2-way Valve with NAMUR Connection	Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates clockwise 	Venting inner chamber (2) → Tension spring assemblies → Pinion rotates anticlockwise 	VARIANT 01 WIRKRICHTUNG RECHTS 
		Transverse					
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
02	RIGHT	Standard		Pinion rotated 90 Control via 3/2-way valve with NAMUR Connection	Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates clockwise 	Venting inner chamber (2) → Tension spring assemblies → Pinion rotates anticlockwise 	VARIANT 02 OPERATING DIRECTION RIGHT 
		Transverse					

VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
03	LEFT	Standard		Pinion rotated 90 Piston rotated 180 Control via 3/2-way valve with NAMUR Connection	<p>Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates anticlockwise</p> 	<p>Venting inner chamber (2) → Tension spring assemblies → Pinion rotates clockwise</p> 	<p>VARIANT 03 OPERATING DIRECTION LEFT</p> 
		Transverse					
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
04	LEFT	Standard		Piston rotated 180 Control via 3/2-way valve with NAMUR Connection	<p>Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates anticlockwise</p> 	<p>Venting inner chamber (2) → Tension spring assemblies → Pinion rotates clockwise</p> 	<p>VARIANT 04 OPERATING DIRECTION LEFT</p> 
		Transverse					

VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
05	RIGHT	Standard		SPECIAL	<p>Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates clockwise</p> 	<p>Venting inner chamber (2) → Tension spring assemblies → Pinion rotates anticlockwise</p> 	<p>VARIANT 05 OPERATING DIRECTION RIGHT</p> 
		Transverse					
VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
06	RIGHT	Standard		SPECIAL	<p>Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates clockwise</p> 	<p>Venting inner chamber (2) → Tension spring assemblies → Pinion rotates anticlockwise</p> 	<p>VARIANT 06 OPERATING DIRECTION RIGHT</p> 
		Transverse					

VARIANT	Effektive Direktion	Construction		Note	Switch Position 0°	Switch Position 120° / 135°	Type Plate
07	LEFT	Standard		SPECIAL	Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates anticlockwise	Venting inner chamber (2) → Tension spring assemblies → Pinion rotates clockwise	VARIANT 07 OPERATING DIRECTION LEFT 
		Transverse					
08	LEFT	Standard		SPECIAL	Exhaust inner chamber (2) → Relaxation of spring assemblies → Pinion rotates anticlockwise	Venting inner chamber (2) → Tension spring assemblies → Pinion rotates clockwise	VARIANT 08 OPERATING DIRECTION LEFT 
		Transverse	