

Actuator selection table

Actuator	Code	Seal iw = internally w = externally	Plastic bodied					Metal bodied			
			COMBI Page 10	TINY Page 14	I 88 Page 19	BIGGY Page 25	ENK Page 28	GC I Page 32	SN 2 Page 38	ENM 2 Page 42	D I Page 46
Plunger	-	iw	-	-	-	-	●	-	-	-	-
	-	w	-	●	●	●	-	-	-	-	-
	-	IP 30	●	-	-	-	-	-	-	-	-
	-	IP 43	-	-	-	-	-	-	-	-	○
Roller ball	KU	iw	-	-	-	-	-	○	○	○	-
Mushroom	P	w	-	-	-	-	-	-	-	-	●
Telescopic plunger	L	iw	-	-	-	-	-	●	○	○	-
Plunger (adjustable)	ST	w	-	-	-	-	-	●	○	○	●
	ST	iw	-	-	-	-	-	●	○	○	-
	ST	IP 30	●	-	-	-	-	-	-	-	-
Button	K	IP 30	●	-	-	-	-	-	-	-	-
Roller plunger	R	IP 30	●	-	-	-	-	-	-	-	-
	R	iw	-	●	○	●	●	●	●	●	-
		w	-	-	-	-	-	-	-	-	●
		IP 43	-	-	-	-	-	-	-	-	○
Roller plunger (long)	R...L	iw	-	○	●	○	-	-	-	-	-
Roller plunger (short)	R...K	iw	-	○	●	○	-	-	-	-	-
Roller lever	H	IP 30	●	-	-	-	-	-	-	-	-
	H	w	-	●	●	●	●	-	-	-	-
	H, HT	iw	-	-	-	-	-	●	○	○	-
	Roller lever (long)	H/D-WI	w	-	-	-	-	-	●	●	○
HL		iw	-	-	-	-	-	●	○	○	-
HL/D-H		w	-	-	-	-	-	●	○	○	●
D-H		IP 43	-	-	-	-	-	-	-	-	○
Roller lever (adjustable)	DGH	w	-	○	●	○	○	○	●	●	-
Roller lever (adjustable)	DGK	w	-	○	●	○	○	○	●	●	-
Angled roller lever	KN	iw	-	-	-	-	-	●	○	○	-
	KN	w	-	○	●	○	-	●	○	○	○
Roller lever (directional)	KG	iw	-	-	-	-	-	●	○	○	-
	KG	w	-	○	●	○	-	●	○	○	-
Bi-stable roller lever	DR	iw	-	-	-	-	-	●	○	○	-
Wobble stick	FF	iw	-	-	-	-	-	●	●	○	-
	FF	w	-	●	○	●	●	-	-	-	-
Wobble stick (long)	FFL	w	-	-	-	-	-	●	○	○	-
Turret head	AH	iw	-	●	●	●	-	●	○	○	●
Turret head (star clamp)	AHS	iw	-	●	●	●	-	○	●	○	-
Turret head (positive drive)	AHS-V	iw	-	-	-	-	●	○	●	●	-
Turret head (or force disconnection in forward & return travel)	AHZ	iw	-	-	-	-	-	○	○	●	-
Turret head (adjustable)	AV	iw	-	●	●	●	●	●	○	●	●
Turret head (adjustable rod)	AD	iw	-	●	●	●	●	●	○	●	○
Turret head (spring)	AF	iw	-	○	●	○	○	●	●	○	-

● Catalogue model (stock item or to order)

○ Technically possible (on request)

- Not available

Operating direction	Plunger direction		Approach speed/angle						Notes
			m/s	0.1	0.5	1	2	5	
	↓	Metal	A	20°	20°	10°	5°	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction.
			B	20°	20°	10°	5°	-	
		Plastic	A	20°	20°	10°	5°	-	
			B	20°	20°	10°	5°	-	
	↓	Metal	A	30°	5°	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction. Plunger tip is adjustable on type ST
			B	30°	5°	-	-	-	
		Plastic	A	30°	5°	-	-	-	
			B	30°	5°	-	-	-	
	↓	Metal	A	30°	30°	20°	10°	5°	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction.
			B	30°	30°	20°	10°	5°	
		Plastic	A	30°	30°	20°	10°	5°	
			B	30°	30°	20°	10°	5°	
	↓	Metal	A	-	-	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction.
			B	20°	20°	10°	-	-	
		Plastic	A	-	-	-	-	-	
			B	40°	40°	30°	20°	10°	
	↓	Metal	A	-	-	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction. Upper part of the actuator with roller – adjustable
			B	20°	20°	10°	-	-	
		Plastic	A	-	-	-	-	-	
			B	40°	40°	30°	20°	10°	
	↓	Metal	A	-	-	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid 90° to the plunger direction. Upper part of the actuator with roller – adjustable
			B	30°	30°	20°	10°	-	
		Plastic	A	-	-	-	-	-	
			B	40°	40°	40°	30°	20°	
	↓	Metal	A	-	-	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid 90° to the plunger direction.
			B	30°	30°	20°	10°	-	
		Plastic	A	-	-	-	-	-	
			B	40°	40°	40°	30°	20°	
	↓	Metal	A	-	-	-	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in plunger direction.
			B	40°	40°	30°	20°	-	
		Plastic	A	-	-	-	-	-	
			B	40°	40°	40°	30°	20°	
	↓	Metal	A	45°	45°	40°	30°	-	<ul style="list-style-type: none"> The information shown in the diagrams for contact travel / switching force is valid in direction of rotation. Switch position will remain until return actuation
			B	45°	45°	40°	30°	-	
		Plastic	A	-	-	-	-	-	
			B	-	-	-	-	-	
	↓	Metal	A	60°	50°	45°	-	-	<ul style="list-style-type: none"> The information shown in the diagrams for switching angle/actuator torque is valid for any operating direction. Not suitable for operators protection
			B	-	-	-	-	-	
		Plastic	A	20°	20°	10°	5°	-	
			B	-	-	-	-	-	
	↓	Metal	A	45°	45°	45°	40°	30°	<ul style="list-style-type: none"> The information shown in the diagrams for switching angle/actuator torque is valid in direction of rotation. Roller lever adjustable on the shaft gradually (step by step) in radial direction and can be turned by 180°
			B	45°	45°	45°	40°	30°	
		Plastic	A	45°	45°	45°	40°	30°	
			B	45°	45°	45°	40°	30°	
	↓	Metal	A	45°	45°	45°	40°	30°	<ul style="list-style-type: none"> The information shown in the diagrams for switching angle/actuator torque is valid in direction of rotation. Roller lever adjustable in longitudinal & radial direction on the shaft and can be turned by 180° Not suitable for operators protection
			B	45°	45°	45°	40°	30°	
		Plastic	A	45°	45°	45°	40°	30°	
			B	45°	45°	45°	40°	30°	
	↓	Metal	A	45°	45°	40°	30°	20°	<ul style="list-style-type: none"> The information shown in the diagrams for switching angle/actuator torque is valid in direction of rotation. Rod adjustable in longitudinal & radial (step by step) direction
			B	45°	45°	40°	30°	20°	
		Plastic	A	45°	45°	40°	30°	20°	
			B	45°	45°	40°	30°	20°	
	↓	Metal	A	45°	45°	40°	30°	20°	<ul style="list-style-type: none"> The information shown in the diagrams for switching angle/actuator torque is valid in direction of rotation. Spring adjustable in radial direction on the shaft Not suitable for operators protection
			B	45°	45°	40°	30°	20°	
		Plastic	A	45°	45°	40°	30°	20°	
			B	45°	45°	40°	30°	20°	