



1

Model	TS 68	TS 71	TS 72	TS 73V	TS 83	TS 90 Impulse	TS 91 B	TS 92 B/G	TS 93 B/G	ITS 96	TS Profil	TS Kompakt
EN size	2/3/4 ≤ 1100	3/4	2-4 ≤ 1100	2-4	3-6/7 ≤ 1400 / ≤ 1600	3/4	3 ≤ 950	2-4	2-5/5-7 ≤ 1250 / ≤ 1600	2-4/3-6	2/3/4 ≤ 1100	2/3/4
Width (mm)	Scissor Arm	≤ 1100	Scissor Arm	≤ 1100	Scissor Arm/ Flat form	≤ 1100	Slide Channel	≤ 1100	Slide Channel	≤ 1100 / ≤ 1400	Scissor Arm	≤ 1100
Arm assembly	Adjustable via arm power shoe and templating	Scissor Arm	By means of adjusting screw	Scissor Arm/ Flat form	By means of adjustment screw	Slide Channel	Adjustable at 2 separate valves	Slide Channel	By means of adjusting screw	Slide Channel	Adjustable via arm power shoe and templating	Scissor Arm
Closing force	180° - 15° 15° - 0°	Adjustable via arm power shoe	180° - 15° 15° - 0°	By means of adjusting screw	180° - 15° 15° - 0°	Two independent valves for closing speed adjustment	180° - 15° 15° - 0°	Adjustable at 2 separate valves	180° - 70° 70° - 0°	Variable by means of adjustable screw	180° - 15° 15° - 0°	Adjustable via arm power shoe and templating
Closing speed	—	180° - 15° 15° - 0°	Variable at arm	180° - 15° 15° - 0°	Variable at arm	160° - 15° 15° - 0°	15° - 0°	180° - 15° 15° - 0°	—	120° - 0° 7° - 0°	—	180° - 15° 15° - 0°
Latching angle	—	—	—	Variable at arm	Self-Regulating/Adjustable by valve	—	—	15° - 0°	Adjustable by valve	7° - 0°	Self-Regulating/Adjustable by valve	—
Backcheck	—	—	—	Self-Regulating/Adjustable by valve	180° - 70°	—	—	—	70° - 180°	120° - 70°	—	—
Backcheck angle	up to 150°	—	up to 150°	70° - 180°	up to 150°	—	up to 150°	up to 150°	—	—	—	—
Delayed action	220	—	232	—	245	—	267	—	275/285	—	210	—
Hold-open (approx.)	45	—	45	—	46 (47,50)	—	47	—	53/62	—	38,5	—
Free-swing function	53,5	up to 150°	68	up to 150°	60	up to 145°	65	up to 150°	60/71	up to 120°	55	up to 150°
Length	•	—	•	—	•	—	•	—	•	•	•	—
	—	232	•	225	•	246	•	281	•	277 / 291	•	205,5

Depth	45	40	46	47	32 / 39.5	46,5
Height	68	60	57	65	42 / 51	40
Closer EN 1154	•	•	•	•	•	•
Hold-open EN 1155	—	—	—	—	•	—
CEmarked	•	•	•	•	•	—



DOOR CLOSERS SELECTION CHART



2

Model	BTS 80	BTS 75 V	BTS 84
EN size	3/4/6	1-4	2/3/4
Width (mm)	≤ 950 ≤ 1100 ≤ 1400	≤ 1100	≤ 850 ≤ 950 ≤ 1100
Weight (kg)	300	120	100
Closing angle	175° - 0°	175° - 15° 15° - 0°	130° - 0° 130° - 20°
Latching angle	15° - 0°	15° - 0°	—
Backcheck	Mechanical	Mechanical	—
Backcheck angle	approx. up to 80°	approx. up to 70°	—
Delayed action	180° - 80°	—	—
Hold-open (approx.)	75° to 175°	Fixed 90°, Fixed 105°	Fixed 90°, Fixed 105°
Free-swing function	—	—	—
Electric hold-open	—	—	—
Length	341	285	306
Depth	78	85	108
Height	60	50	40

Overhead Closers

Test door mass and recommended door widths		
Power size of closer	Maximum mass of hinged leaf	Width of test door leaf
1	20 kg	< 750 mm
2	40 kg	850 mm
3	60 kg	950 mm
4	80 kg	1100 mm
5	100 kg	1250 mm
6	120 kg	1400 mm
7	160 kg	1600 mm



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