

# F1



## Belt characteristics

- Polyurethane flat belt with steel tension cords
- It is mainly used in lifting applications where there is no need for synchronization
- Allows the use of small diameter pulleys and compact drive design
- Black colour as standard
- Maintenance free
- Reduced thickness tolerance available on request

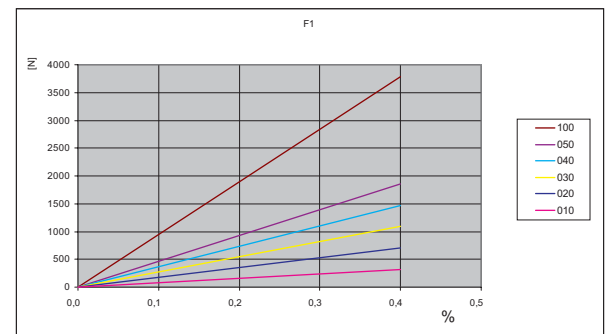
## Technical data

Belt width b [mm]	Allowable tensile load Type M $F_{Tzul}$ [N]	Allowable tensile load Type V $F_{Tzul}$ [N]	Breaking load Type M $F_{Br}$ [N]	Specific spring rate $C_{spez}$ [N]	Weight [kg/m]
10	320	160	1250	80000	0,02
20	700	350	2750	175000	0,04
30	1090	545	4250	272500	0,05
40	1470	735	5750	367500	0,08
50	1860	930	7250	465000	0,09
100	3780	1890	14750	945000	0,21

Other widths are available on request.

- Width tolerance:  $\pm 0,5$  [mm]
- Thickness tolerance:  $\pm 0,2$  [mm]

## Load / Elongation [ % ]



Minimum pulley diameter	Drive without reverse bending [mm]	Drive with reverse bending [mm]
	16	30

## Specialties

PROFILE	Belt width b [mm]	ARAMID CORD	
		$F_{Tzul}$ [N] M type	$F_{Br}$ [N]
F1	010	700	2800
	020	1540	6160
	030	2380	9520
	040	3220	12880
	050	4060	16240
	100	8260	33040