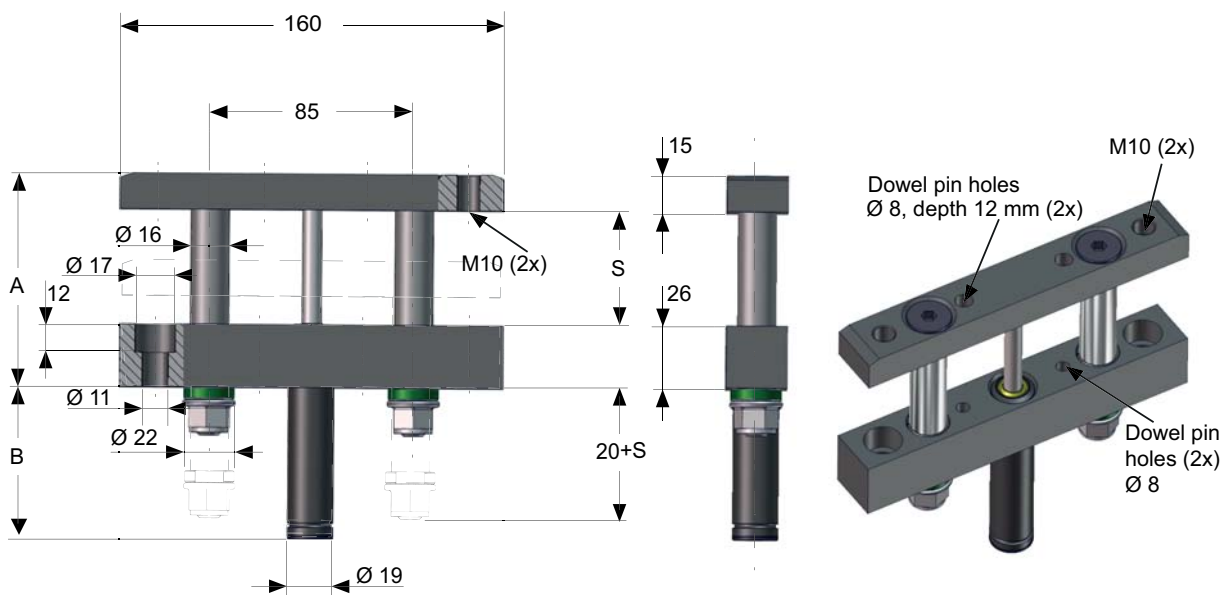
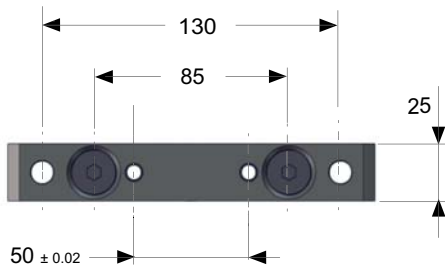


DPL 90

Basic information

Initial force range240-900 N
 Pressure medium..... Nitrogen
 Charging pressure range.....25-180 bar
 Operating temperature range 0-80° C
 Force increase by temperature.....±0.3% / °C
 Recommended max. strokes/min 40-100 (at 20°C)
 Max. velocity See table below
 Max. utilized stroke 95 %
 Internal gas spring..... R 19
 Repair kit* Non repairable

* Replacement gas spring sold separately



Order number	S Stroke	Force in N at +20°C	Force in lbf at +20°C	End force in N at +20°C*	End force in lbf at +20°C*	A	B	Weight	Max. attachment capacity per lifter**Metric	
		Initial	Initial						Ram velocity (m/s)	Attachment mass (kg)
DPL 90-025	23	240-900	67-202	1,300	292	64	40	1.27	0.30	20
DPL 90-038	36			1,200	270	77	53	1.33		
DPL 90-050	48			1,200	270	89	65	1.38		
DPL 90-063	61.5			1,200	270	102.5	81.5	1.43		
DPL 90-080	78			1,200	270	119	98	1.50		
DPL 90-100	98			1,200	270	139	118	1.58		
DPL 90-125	123			1,200	270	164	143	1.69		
DPL 90-150	148			1,200	270	189	168	1.79		

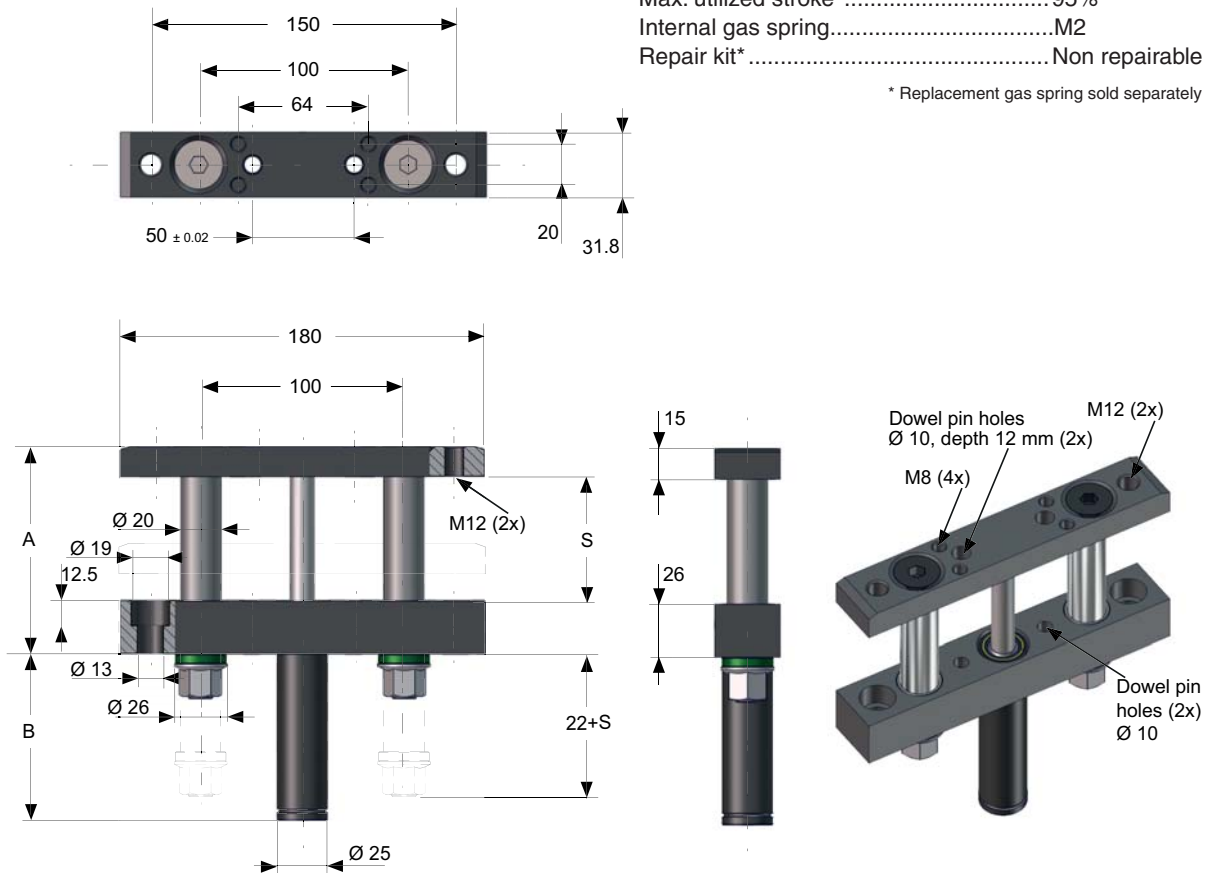
**Determine ram velocity and reference the recommended attachment mass per lifter. For increased capacity, install external positive stops to prevent lifter damage.

DPL 200

Basic information

Initial force range	240-2000 N
Pressure medium	Nitrogen
Charging pressure range	25-180 bar
Operating temperature range	0-80° C
Force increase by temperature	±0.3%/°C
Recommended max. strokes/min	80-100 (at 20°C)
Max. velocity	See table below
Max. utilized stroke	95%
Internal gas spring.....	M2
Repair kit*	Non repairable

* Replacement gas spring sold separately



Order number	S Stroke	Force in N at +20°C	Force in lbf at +20°C	End force in N at +20°C*	End force in lbf at +20°C*	A	B	Weight
		Initial	Initial					
DPL 200-025	23	240-2,000	63-450	3,080	692	64	41	1.90
DPL 200-038	36			3,090	695	77	54	1.99
DPL 200-050	48			3,090	695	89	66	2.08
DPL 200-063	61.5			3,020	679	102.5	82.5	2.18
DPL 200-080	78			3,040	683	119	99	2.30
DPL 200-100	98			3,050	686	139	119	2.44
DPL 200-125	123			3,060	689	164	144	2.61
DPL 200-150	148			3,000	674	189	177	2.80
DPL 200-175	173			2,988	672	214	202	2.98
DPL 200-200	198			2,971	668	239	227	3.15

Max. attachment capacity per lifter**Metric	
Ram velocity (m/s)	Attachment mass (kg)
0.30	31
0.40	17
0.50	11
0.60	7.7
0.70	5.6
0.80	4.3

**Determine ram velocity and reference the recommended attachment mass per lifter. For increased capacity, install external positive stops to prevent lifter damage.