

	Short or Narrow Body					Standard				
Axial cable outlet	DZ/1/S	DZ/2/S	-	DP/1/S	D6P/2/S	DP/2/S	DP/5/S	DP/10/S	DP/20/S	DP10/2/S
Radial cable outlet	DZR/1/S	DZR/2/S	DP/0.5/S	-	-	DPR/2/S	-	DPR/10/S	DPR/20/S	-
Body diameter	8h6				6h6	8h6				
Measurement range (mm)	1	2	0.5	1	2	2	5	10	20	2
Pre-travel (mm)	0.15	0.15	0.03	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Over travel (mm)	0.35	0.35	0.05	0.35	0.35	0.85	0.85	0.85	0.85	8.85
Accuracy (% of reading) <sup>1</sup>	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.05
Repeatability (µm)	0.15	0.15	0.1	0.15	0.15	<0.15				
Tip Force (N) @ centre travel	0.7 ± 20%					0.7 ± 20%				
Resolution (µm user selectable)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	<0.01
Data speed (user selectable)	Up to 3906 readings per second					Up to 3906 readings per second				
Environmental Protection	IP65 (Probe only)					IP65 (Probe only)				

	Feather Touch				
Axial cable outlet	DT/2/S	DT/5/S	DT/10/S	DT/20/S	DT10/2/S
Radial cable outlet	DTR/2/S	DTR/5/S	DTR/10/S	DTR/20/S	-
Body diameter	8h6				
Measurement range (mm)	2	5	10	20	2
Pre-travel (mm)	0.15	0.15	0.15	0.15	
Over travel (mm)	0.85	0.85	0.85	0.85	8.85
Accuracy (% of reading) <sup>1</sup>	0.05	0.05	0.06	0.07	0.05
Repeatability (µm)	<0.15				
Tip Force (N) @ centre travel	0.3 ± 20%				
Resolution (µm user selectable)	<0.01	<0.05	<0.05	<0.1	<0.01
Data speed (user selectable)	Up to 3906 readings per second				
Environmental Protection	IP50 (probe only)				

Temperature ranges (°C)	
Storage: probe + signal conditioning	-20 to +70
Operating: PIE / T-Con	0 to 60
Probe operating: (not Feather Touch)	+5 to +80
Probe operating: (Feather Touch)	-10 to +80

Materials	
Case	Stainless steel
Probe tip	Nylon or tungsten carbide
Gaiter	High grade polymer (none on Feather Touch)
Cable	2m PUR



Braided and armoured cable and special cable lengths are available on request

<sup>1</sup> Accuracy 1µm or % reading, whichever greater

Digital Probe interface electronics	
Bandwidth	Up to 460Hz
Output	Serial RS485 signal level, Solartron Orbit Protocol
Power ( VDC )	5 ± 0.25@0.06A, includes power for probe
IP Rating	43 ( 65 available on request )
Weight (grams)	Probe interface electronics 52
	T connector 36
	DIN rail adaptor + T-Con 46

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	Standard					J' Type					
	DP/2/P	DP/5/P	DP/10/P	DP/20/P	DP10/2P	D6J/2/P	DJ/2/P	DJ/5/P	DJ/10/P	DJ10/2P	
Axial cable outlet	DP/2/P	DP/5/P	DP/10/P	DP/20/P	DP10/2P	D6J/2/P	DJ/2/P	DJ/5/P	DJ/10/P	DJ10/2P	
Radial cable outlet	DPR/2/P	DPR/5/P	DPR/10/P	DP/20/P	DPR10/2P	-	DJR/2/P	DJR/5/P	DJR/10/P	DJR10/2P	
Body diameter	8h6					6H6	8h6				
Measurement range (mm)	2	5	10	20	2	2	2	5	10	2	
Pre-travel (mm)	0.15					0.15	0.15	0.15	0.15	0.15	
Over travel (mm)	0.85	0.85		8.85		0.35	0.85		8.85		
Accuracy (% of reading) <sup>1</sup>	0.05	0.05	0.06	0.07	0.05	0.05	0.05	0.05	0.06	0.06	
Repeatability (µm)	0.15					0.15					
Tip Force (N) @ centre travel ± 20%	0.8 @ 0.4 Bar, 2.8 @ 1 Bar	0.85 @ 0.4 Bar, 2.8 @ 1 Bar	0.7 @ 0.4 Bar, 2.5 @ 1 Bar			1.15@1bar	0.85 @ 1Bar ± 20%				
Resolution (µm user selectable)	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	
Data speed (user selectable)	Up to 3906 readings per second					Up to 3906 readings per second					
Environmental Protection	IP65 (probe only)					IP50 (probe only)					

	Feather Touch				Ultra Feather Touch
	DT/2/P	DT/5/P	DT/10/P	DT/20P	
Axial cable outlet	DT/2/P	DT/5/P	DT/10/P	DT/20P	Ultra Feather Touch
Radial cable outlet	DTR/2/P	DTR/5/P	DTR/10/P	DTR/20/P	
Body diameter	8h6				8h6
Measurement range (mm)	2	5	10	20	10
Pre-travel (mm)	0.15				0.15
Over travel (mm)	0.85				0.85
Accuracy (% of reading) <sup>1</sup>	0.05	0.05	0.06	0.07	0.06
Repeatability (µm)	0.15				0.15
Tip Force (N) @ centre travel	0.18 @ 0.3 Bar, 1.1 @ 1 Bar ± 30%				0.03 - 0.05 @ 0.4 bar
Resolution (µm user selectable)	<0.01	<0.05	<0.05	<0.1	<0.01
Data speed (user selectable)	Up to 3906 readings per second				
Environmental Protection	IP50 (probe only)				

<sup>1</sup> Accuracy 1µm or % reading, whichever greater

Temperature ranges (°C)	
Storage: probe + signal conditioning	-20 to +70
Operating: PIE / T-Con	0 to 60
Probe operating: (not Feather Touch)	+5 to +80
Probe Operating: (Feather Touch)	-10 to +80

Materials	
Case	Stainless steel
Probe tip	Nylon or tungsten carbide
Gaiter	High grade polymer (none on Feather Touch)
Cable	2m PUR



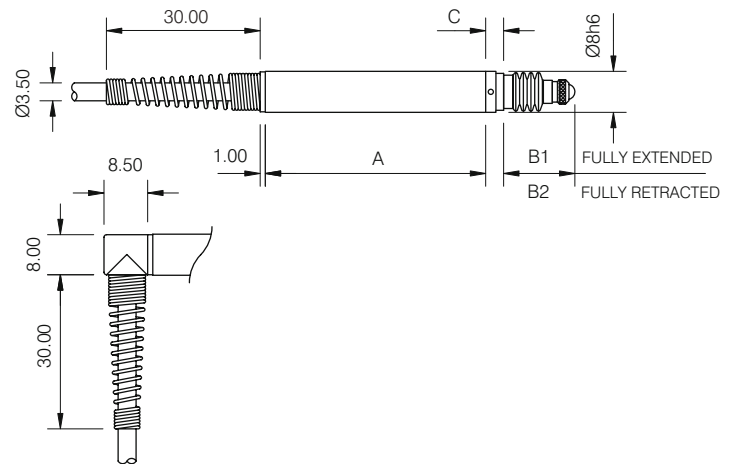
*Braided and armoured cable and special cable lengths are available on request*

Digital Probe interface electronics		
Bandwidth	Up to 460Hz	
Output	Serial RS485signal level, Solartron Orbit Protocol	
Power ( VDC )	5± 0.25@0.06A, includes power for probe	
IP Rating	43 ( 65 available on request )	
Weight (grams)	Probe interface electronics	52
	T connector	36
	DIN rail adaptor + T-Con	46

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**Standard Spring Push (DP/S)**

	DP/2/S	DP10/2/S	DP/5/S	DP/10/S	DP/20/S
A	47.50	75.00	66.50	90.50	127.00
C	2.00	4.00	2.00	2.00	3.00
B1	13.90	25.40	17.40	25.40	44.90
B2	10.90	14.40	11.40	14.40	23.90

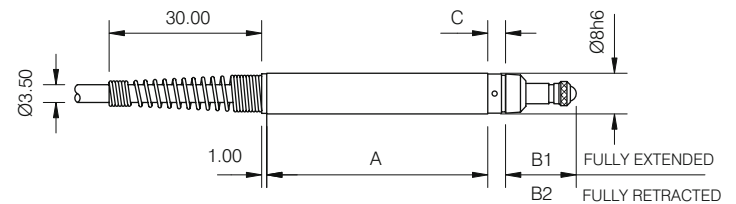


**Right Angle Standard Spring Push (DP/R)**

Plastic adaptor kit turns cable through 90° where axial space is limited.

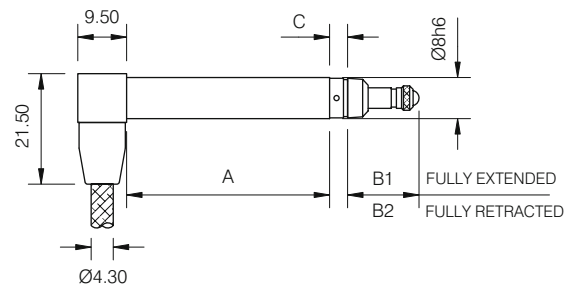
**Feather Touch Spring Push (DT/S)**

	DT/2/S	DT/5/S	DT/10/S	DT/20/S
A	47.50	66.50	90.50	127.00
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	33.90
B2	10.90	11.40	14.40	12.90



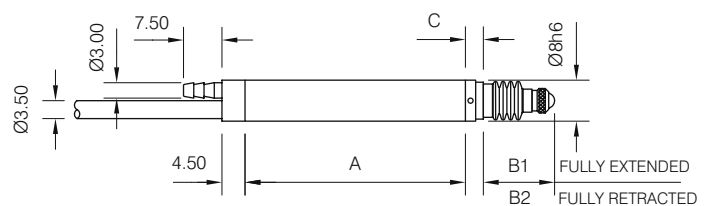
**Right Angle Feather Touch Spring Push (DTR/S)**

	DTR/2/S	DTR/5/S	DTR/10/S	DTR/20/S
A	33.50	52.50	76.50	113.50
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	33.90
B2	10.90	11.40	14.40	12.90

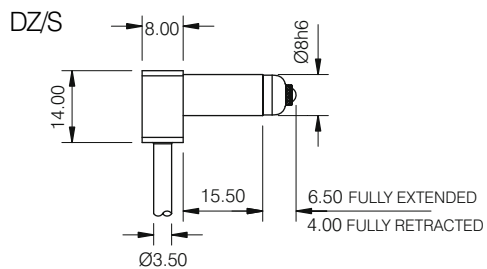
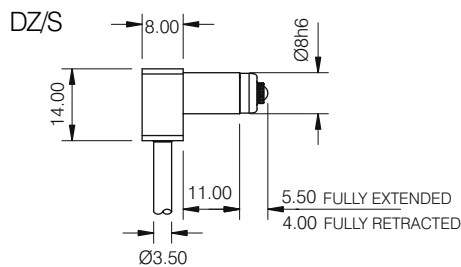
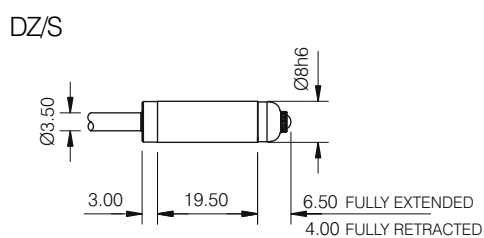
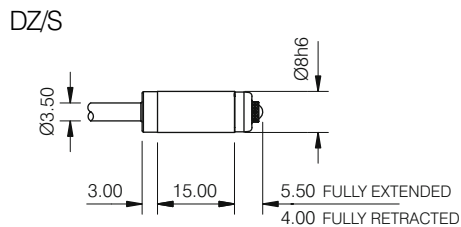


**Vacuum Retract (DPM)**

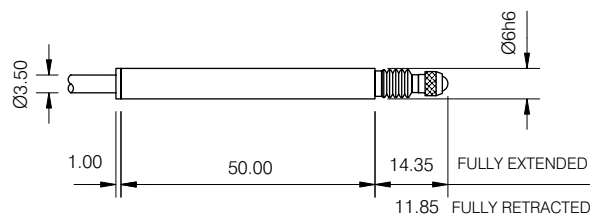
	DP/2/V	DP/5/V	DP/10/V	DP/20/V
A	46.00	65.00	96.00	127.00
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	44.90
B2	10.90	11.40	14.40	23.90



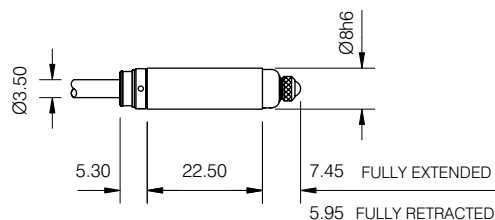
**Compact Spring Push (DZ/S)**  
**Right Angle Compact Spring Push (DZR/S)**



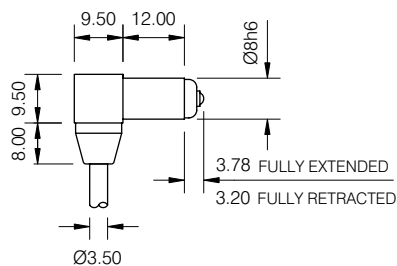
**Slim 6mm Ø Spring Push (D6P/2/S)**



**Ultra Short Spring Push (DP1/S)**

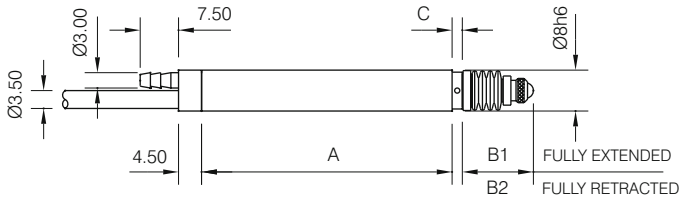


**Ultra Small Spring Push (DP/0.5/S)**



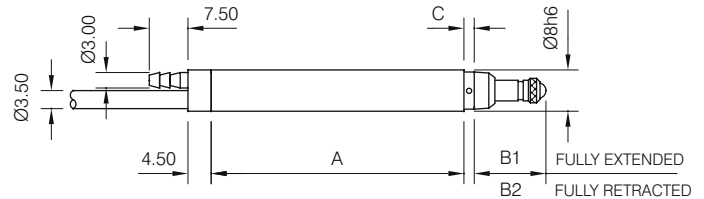
**Pneumatic Push (DP/P)**

	DP/2/PE	DP/2/P	DP/5/P	DP/10/P	DP/20/P
A	84.00	52.50	71.00	96.00	127.00
C	2.00	2.00	2.00	2.00	3.00
B1	25.40	13.90	17.40	25.40	44.90
B2	14.40	10.90	11.40	14.40	23.90



**Feather Touch Pneumatic Push (DT/P)**

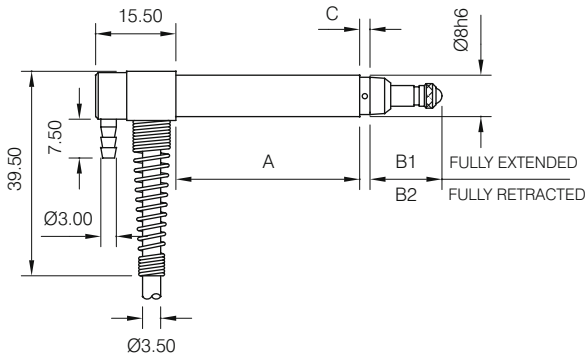
	DT/2/P	DT/5/P	DT/10/P	DT/20/P
A	52.50	71.00	96.00	127.00
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	33.90
B2	10.90	11.40	14.40	12.90



**Right Angled Pneumatic Push (DTR/P)**

90° output/ non braided cable

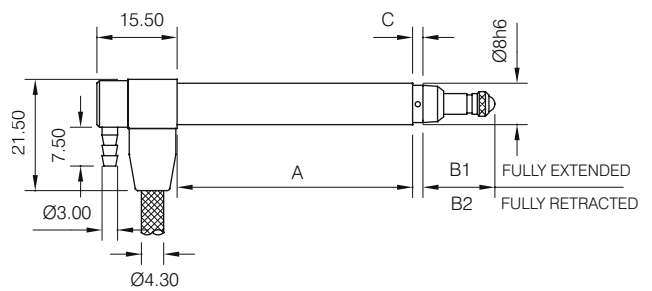
	DTR/2/P	DTR/5/P	DTR/10/P	DTR/20/P
A	38.50	57.50	82.50	113.50
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	33.90
B2	10.90	11.40	14.40	12.90



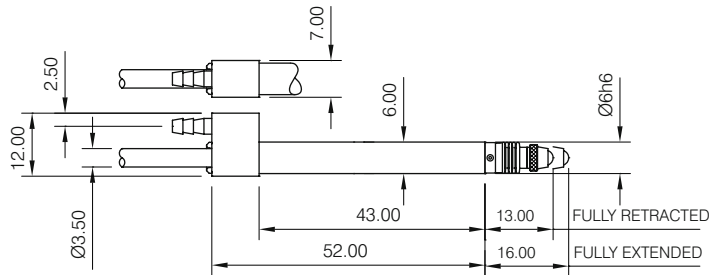
**Right Angled Feather Touch Pneumatic Push (DTR/P)**

90° output/ braided cable

	DTR/2/P	DTR/5/P	DTR/10/P	DTR/20/P
A	38.50	57.50	82.50	113.50
C	2.00	2.00	2.00	3.00
B1	13.90	17.40	25.40	33.90
B2	10.90	11.40	14.40	12.90

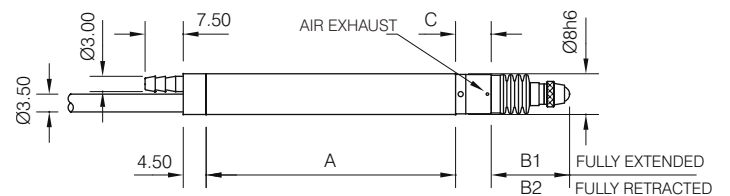


**Gaiter Independent Slim 6mm Ø Pneumatic Push (D6J/2/P)**



**Gaiter Independent Pneumatic Push (DJ/P)**

	DJ/2/P	DJ10/2/P	DJ/5/P	DJ/10/P
A	52.0	84.0	71.0	96.0
C	7.0	7.0	7.0	7.0
B1	15.4	26.9	18.9	26.9
B2	12.4	15.9	12.9	15.9



**Ultras Feather Touch Pneumatic Push (UT/10/P)**

