

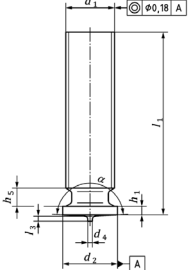
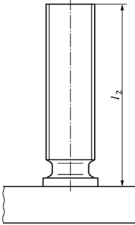
1



Threaded studs type PT

	<b>Type</b>	<b>Material</b>	Suitable for stud feeding	
	<b>PT Threaded studs</b>	<b>Steel 4.8 copper coated</b> (suitable for welding)	Manual e.g. 	Automation <sup>1)</sup> e.g. 

$d_1$	$l_1$ +0.6	$d_2$ ±0.2	$d_4$ ±0.08	$l_3$ ±0.05	max. $h_s$	$h_1$	$\alpha$ ±2°
M3	see table	4.50	0.60	0.55	0.60	0.70 - 1.40	174°
M4		5.50	0.65				
M5		6.50	0.75				
M6		7.50					
M8		9.00	0.85	1.00	0.80 - 1.40		
M10 <sup>2)</sup>		10.70		0.80	1.50	1.20 - 1.80	

	Diameter →					
	M3	M4	M5	M6	M8	M10
	Order No.	Order No.	Order No.	Order No.	Order No.	Order No.
<b>Length <math>l_1</math></b>						
6 mm	11-03-006	11-04-006	--	--	--	--
8 mm	11-03-008	11-04-008	11-05-008	11-06-008	--	--
10 mm	11-03-010	11-04-010	11-05-010	11-06-010	11-08-010	--
12 mm	11-03-012	11-04-012	11-05-012	11-06-012	11-08-012	--
15 mm	11-03-015	11-04-015	11-05-015	11-06-015	11-08-015	--
16 mm	11-03-016	11-04-016	11-05-016	11-06-016	11-08-016	--
20 mm	11-03-020	11-04-020	11-05-020	11-06-020	11-08-020	11-10-020*
25 mm	11-03-025	11-04-025	11-05-025	11-06-025	11-08-025	11-10-025*
30 mm	11-03-030	11-04-030	11-05-030	11-06-030	11-08-030	11-10-030*
35 mm	--	11-04-035	11-05-035	11-06-035	11-08-035	--
40 mm	--	11-04-040	11-05-040	11-06-040	11-08-040	11-10-040*
45 mm	--	--	--	11-06-045	11-08-045	--
<b>Chuck</b>	82-50-003	82-50-004	82-50-005	82-50-006	82-50-008	82-50-009
						 (Distance ring 92-40-010 or leg assembly 92-40-043 necessary)
<b>Chuck</b>	84-50-003	84-50-004	84-50-005	84-50-006	84-50-008	--
						

Further accessories see accessories catalogue

\* Minimum order quantity, delivery time and price upon request.

Custom dimensions are not listed in the table – HBS manufactures customised welding elements. On request we can provide pricing.

1) For automation: Diameter: M3 to M8 (M10 with modification only)  
Stud length: 8 to 40 mm (other lengths on request)  
For more details, see accessories catalogue.

2) Similar to DIN EN ISO 13918