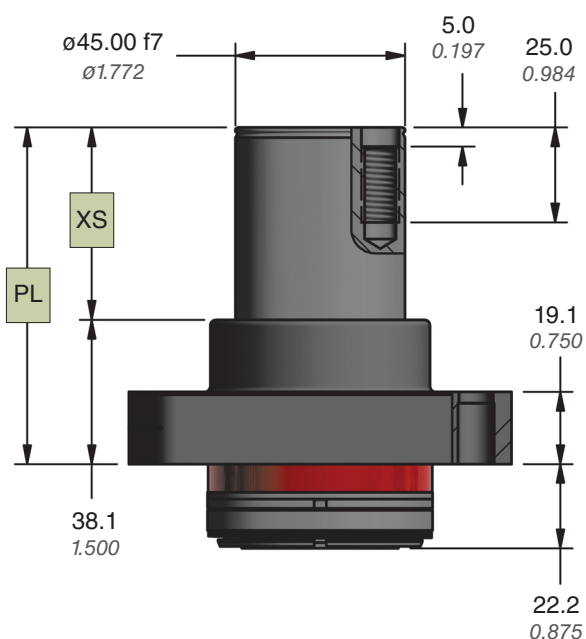
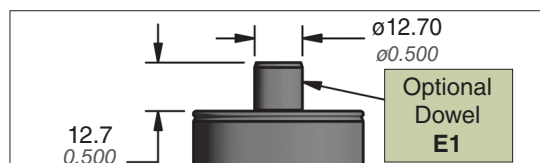
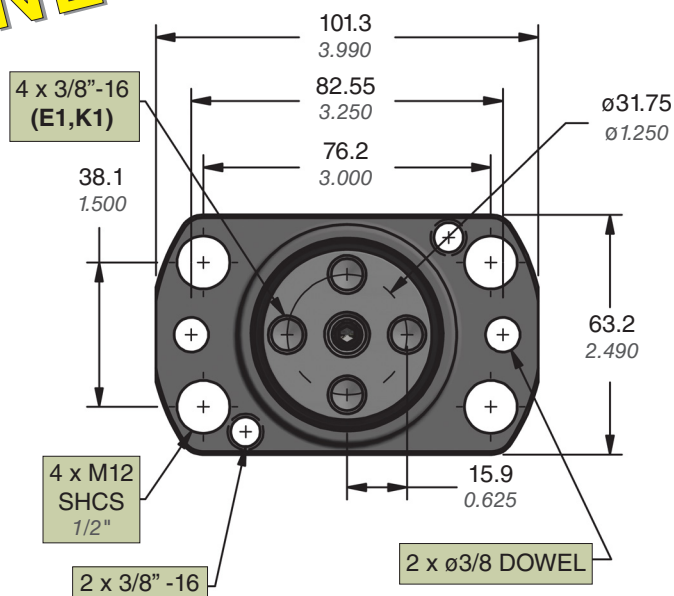


GRS.45.HD4 – Imperial

NEW!



Pin Extension Code	*XS		PL	
	mm	<i>inch</i>	mm	<i>inch</i>
0200	20.0	0.787	58.1	2.287
0254	25.4	1.000	63.5	2.500
0300	30.0	1.181	68.1	2.681
0318	31.75	1.250	69.85	2.750
0381	38.1	1.500	76.2	3.000
0400	40.0	1.575	78.1	3.075
0445	44.45	1.750	82.55	3.250
0500	50.0	1.969	88.1	3.469
0508	50.8	2.000	88.9	3.500
0572	57.15	2.250	95.25	3.750
0600	60.0	2.362	98.1	3.862
0635	63.5	2.500	101.6	4.000
0700	70.0	2.756	108.1	4.256
0762	76.2	3.000	114.3	4.500
0800	80.0	3.150	118.1	4.650
0889	88.9	3.500	127.0	5.000
0900	90.0	3.543	128.1	5.043

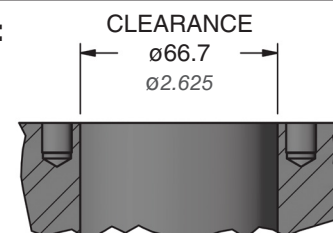
*XS = PL - GRL

Guide Retainer Length (GRL) = 38.10 mm (1.500 in)

Velocity Estimate	(m/sec)	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
Per GRS	max (lb.)	317	220	162	124	98	79	66	55
	max (kg)	144	100	73	56	44	36	30	25

Pad Mass		GRS.45.HD4 Quantity							
lb.	kg								
150	68	2	2	2	3	3	3	4	4
200	91	2	2	3	3	4	4	5	5
250	113	2	3	3	4	4	5	5	6
300	136	2	3	3	4	5	5	6	7
350	159	3	3	4	4	5	6	7	8
400	181	3	3	4	5	6	7	8	
450	204	3	4	4	5	6	7	8	
500	227	3	4	5	6	7	8		
550	249	3	4	5	6	7	8		
600	272	3	4	5	6	8			
650	295	4	4	6	7	8			
700	318	4	5	6	7				

Mounting Clearance:



Ordering Example:

GRS.45.HD4. K1. 0500

Part Number:

Includes Series, Guide Rod Diameter, and Retainer Mount Type

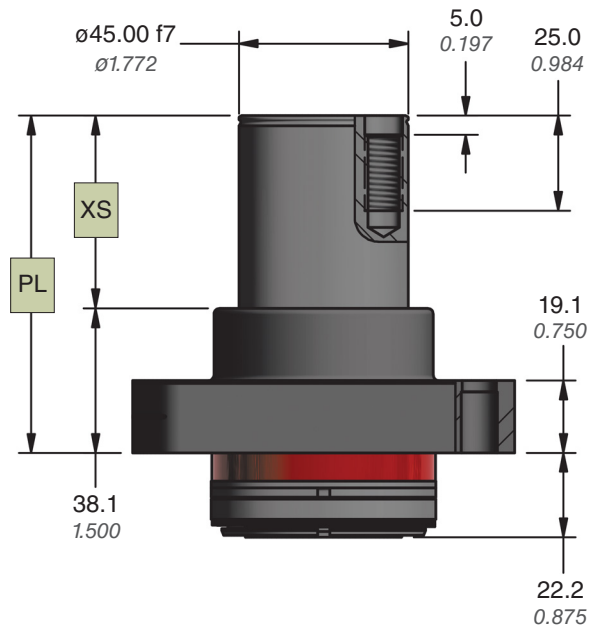
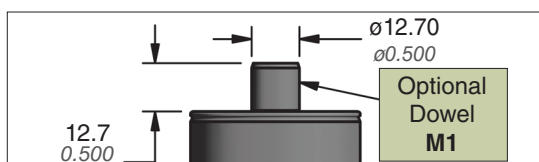
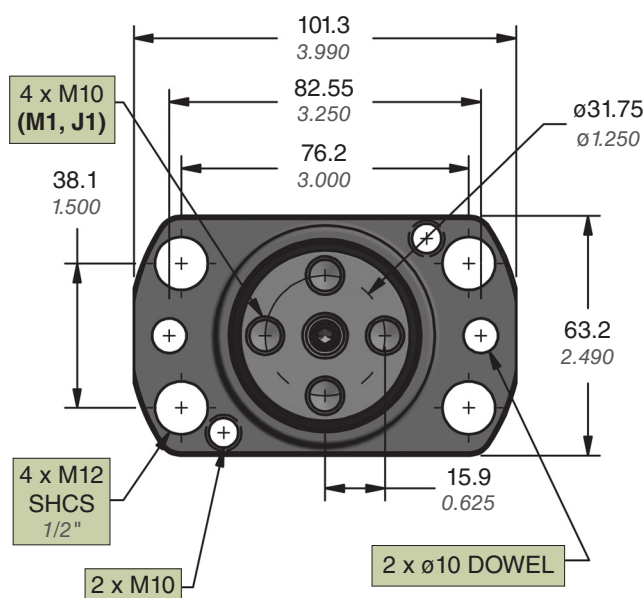
Guide Rod Option:

K1 = 4x 3/8"-16, Imperial:

E1 = 4x 3/8"-16, Imperial with Rod End Dowel

- **Pin Extension Code:** 0200 - 0900

Example: 0318 = 31.75 mm (1.250 in) = XS
Dimension

NEW!**GRS.45.HD5 – Metric**

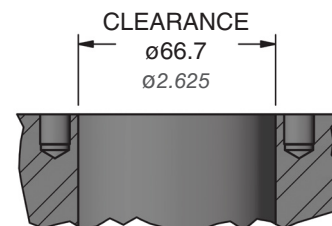
Pin Extension Code	*XS		PL	
	mm	inch	mm	inch
0200	20.0	0.787	58.1	2.287
0254	25.4	1.000	63.5	2.500
0300	30.0	1.181	68.1	2.681
0318	31.75	1.250	69.85	2.750
0381	38.1	1.500	76.2	3.000
0400	40.0	1.575	78.1	3.075
0445	44.45	1.750	82.55	3.250
0500	50.0	1.969	88.1	3.469
0508	50.8	2.000	88.9	3.500
0572	57.15	2.250	95.25	3.750
0600	60.0	2.362	98.1	3.862
0635	63.5	2.500	101.6	4.000
0700	70.0	2.756	108.1	4.256
0762	76.2	3.000	114.3	4.500
0800	80.0	3.150	118.1	4.650
0889	88.9	3.500	127.0	5.000
0900	90.0	3.543	128.1	5.043

***XS = PL – GRL**

Guide Retainer Length (GRL) = 38.10 mm (1.500 in)

Velocity Estimate	(m/sec)	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
Per GRS	max (lb.)	317	220	162	124	98	79	66	55
	max (kg)	144	100	73	56	44	36	30	25

Pad Mass		GRS.45.HD5 Quantity							
lb.	kg								
150	68	2	2	2	3	3	3	4	4
200	91	2	2	3	3	4	4	5	5
250	113	2	3	3	4	4	5	5	6
300	136	2	3	3	4	5	5	6	7
350	159	3	3	4	4	5	6	7	8
400	181	3	3	4	5	6	7	8	
450	204	3	4	4	5	6	7	8	
500	227	3	4	5	6	7	8		
550	249	3	4	5	6	7	8		
600	272	3	4	5	6	8			
650	295	4	4	6	7	8			
700	318	4	5	6	7				

Mounting Clearance:**Ordering Example:****GRS.45.HD5. J1. 0500****Part Number:**

Includes Series, Guide Rod Diameter, and Retainer Mount Type

Guide Rod Option:**J1** = 4x M10, Metric;**M1** = 4x M10, Metric with Rod End Dowel**Pin Extension Code:** 0200 - 0900

Example: 0500 = 50.0 mm = XS Dimension