

▼ HMT-Drive Units with interchangeable HLP-Low Profile Cassette and HSQ-Square Drive Cassette



The HMT-Series is a range of fast, durable and efficient modular hydraulic torque wrenches, enabling you to tackle almost any bolting application. Interchange cassettes with ease, switching the HLP low profile hexagon cassette with the HSQ square drive whenever your application demands.

The tool itself has been carefully designed and manufactured, utilising superior alloys and surface treatments to make it lightweight, up to 25% faster and more than twice as durable as other tools in the same class.

Safety and Performance

- Supplied with an ergonomic tool safety handle as standard
- The HMT Modular Torque/Tool is also supplied with a link pin retainer as standard.

Versatility

- Interchangeable with other manufacturers
- HMT is able to solve all of your bolting challenges quickly and safely, with one or more attachment options, making it suitable for any application.

Simplicity

- The HMT is part of a modular system which is made up of a single power head and one attachment; the HMT-Drive Unit and HLP-Hexagon Cassette

Accuracy

- Constant torque output provides accuracy of +/-3% across the full stroke when used with compatible Enerpac-branded cassettes.

ATEX declared

- All HLP-Cassettes and HSQ-Square Drive Cassetts are CE - ATEX declared and are shipped complete with a calibration certificate.

Modular, Durable, Fast and Efficient Torque for Low-Profile Applications



Ergonomic Tool Handle

Robust ergonomic positioning handle comes standard with every HMT-Drive Unit.

Compatible HMT-Series drive units

HMT1500, 3500, 7500
HMT13000

Ergonomic Handle (Standard)

SWH6A
SWH10A



HLP Low-Profile Cassettes

For the metric and imperial low-profile hexagon cassettes see:

Page: 258



Torque Pumps

Visit enerpac.com for system matched air and electric torque pumps that are ideal for use with hydraulic torque wrenches.

Page: 273



Torque Wrench Hoses

Use Enerpac THQ-Series hoses with HMT-Series torque wrenches to ensure the integrity of your hydraulic system. See page 255.

2 m long, 2 hoses

THQ702T

6 m long, 2 hoses

THQ706T

12 m long, 2 hoses

THQ712T



BUS-Series, Back-Up Spanners

To be used to stop the back nut from turning during make up or break out. Two hexagon sizes in one tool.

Page: 227

Drive Units for Hexagon & Square Drive Cassettes



Bolting Integrity Software

Visit enerpac.com to access our free on-line bolting software application. A comprehensive free online software solution for Bolted Joint Integrity.

Integral databases hold data for:

- BS1560, MSS SP44, API 6A and 17D flanged joints
- Common gasket materials and configurations
- Comprehensive range of bolt materials
- Comprehensive range of lubricants

- Enerpac's Controlled Bolting Equipment including: Torque Multipliers, Hydraulic Wrenches and Bolt Tensioning tools.

Custom Joint information can also be entered

The software offers Tool selection, Bolt Load calculations and Tool pressure settings, as well as a combined Application data sheet and Joint completion report.

Page: 416

HMT Series



Maximum Torque at 10.000 psi:

1541 - 13.489 Ft.lbs

Maximum Torque at 690 bar:

2089 - 18.289 Nm

Hexagon Range:

1 1/16 - 4 5/8" / 27 - 115 mm

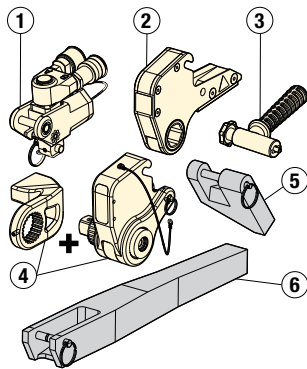
Square Drive Range:

3/4 - 1 - 1 1/2 inch

Maximum Operating Pressure:

690 bar / 10.000 psi

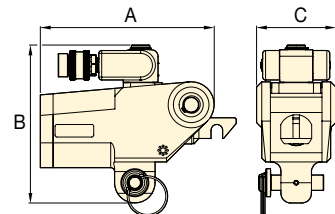
HMT-Series, Torque Wrench Options and Accessories



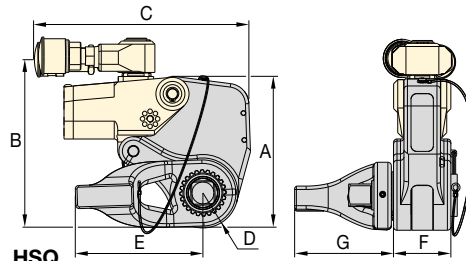
- ① HMT: Drive Unit (page 257)
- ② HLP: Hexagon Cassette (page 258-259)
- ③ SWH: Ergonomic Tool Handle (page 256)
- ④ HSQ: Square Drive Cassette + Reaction Arm for HSQ (page 257)

Optional Parts

- ⑤ HRP: Reaction Paddle (page 258)
- ⑥ HTE: Extended Reaction Arm (page 258)



HMT



HSQ



Select the Right Torque

Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.

SELECTION CHART

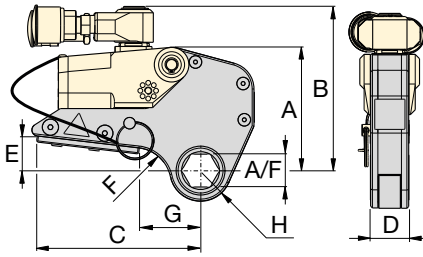
Hexagon Cassette Range (A/F) (see pages 258 - 259 for sizes and model numbers)		Maximum Torque Output at 690 bar (10.000 psi)		Drive Unit Model Number	Minimum Torque Output at 69 bar (1000 psi)		Dimensions (inch)				Dimensions (mm)			
(inch)	(mm)	(Ft.lbs)	(Nm)		(Ft.lbs)	(Nm)	A	B	C		(lbs)	A	B	C
1 1/16 - 27/16	26 - 62	1541	2089	HMT1500	154	209	4.30	4.10	2.0	2.20	108	104	49	1,0
1 3/8 - 3 1/8	35 - 780	3750	4804	HMT3500	375	508	5.70	5.20	2.60	3.97	146	132	66	1,8
2 3/16 - 3 15/16	55 - 100	7562	10.252	HMT7500	756	1025	7.10	6.40	3.30	7.05	180	163	82	3,2
27/16 - 4 5/8	62 - 115	13.489	18.289	HMT13000	1349	1828	8.50	7.40	3.90	4.40	216	187	98	9,7

Maximum Torque Output at 690 bar (10.000 psi)		Square Drive Size	Square Drive Cassette * Model Number	Dimensions (inch)								Dimensions (mm)							
(Ft.lbs)	(Nm)			A	B	C	D	E	F	G		(lbs)	A	B	C	D	E	F	
1541	2089	¾	HSQ1500	5.71	6.61	6.85	1.19	2.36	1.95	3.29	8.16	145	168	174	30	60	50	84	3,7
3750	4804	1	HSQ3500	7.54	8.23	7.95	1.52	3.07	2.58	4.35	13.01	192	209	202	39	78	66	111	5,9
7562	10.252	1½	HSQ7500	9.60	10.08	9.25	1.99	4.33	3.23	6.32	25.13	244	256	235	51	110	82	161	11,4

* **IMPORTANT:** HMT-drive units must be ordered separately to operate the HSQ-Square Drive Cassettes.

Hexagon Cassettes for HMT-Drive Units

ENERPAC 



Hexagon Range:
1 1/16 - 4 5/8 inch

Hexagon Range:
27 - 115 mm

Maximum Operating Pressure:
690 bar / 10.000 psi

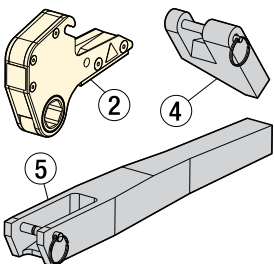
**HLP
Series**



▼ SELECTION CHART

IMPORTANT: HMT-drive units must be ordered separately to operate the HLP-Hexagon Cassettes.

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)											Dimensions (mm)										
	(inch)	(mm)		(Ft.lbs)	(Nm)	A	B	C	D	E	F	G	H	(lbs)	A		B	C	D	E	F	G	H	(kg)			
HMT1500	1 ¹ / ₁₆	27	HLP1101	1541	2089	4.48	5.32	5.35	1.2	1.13	1.18	2.01	1.00	3.53	114	135	136	31,5	29	30	51	25	1,6				
	1 ¹ / ₈	-	HLP1102	1541	2089	4.48	5.32	5.35	1.2	1.13	1.18	2.01	1.00	3.53	114	135	136	31,5	29	30	51	25	1,6				
	1 ³ / ₁₆	30	HLP1103	1541	2089	4.48	5.32	5.35	1.2	1.13	1.18	2.01	1.00	3.53	114	135	136	31,5	29	30	51	25	1,6				
	1 ¹ / ₄	32	HLP1104	1541	2089	4.48	5.32	5.35	1.2	1.13	0.95	2.01	1.08	3.53	114	135	136	31,5	29	24	51	27	1,6				
	1 ⁵ / ₁₆	33	HLP1105	1541	2089	4.48	5.32	5.35	1.2	1.13	0.95	2.01	1.08	3.53	114	135	136	31,5	29	24	51	27	1,6				
	1 ³ / ₈	35	HLP1106	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	1.89	1.19	3.53	114	135	136	31,5	29	14	48	30	1,6				
	1 ⁷ / ₁₆	36	HLP1107	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	1.89	1.19	3.53	114	135	136	31,5	29	14	48	30	1,6				
	1 ¹ / ₂	38	HLP1108	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.30	3.53	114	135	136	31,5	29	14	51	33	1,6				
	1 ⁹ / ₁₆	-	HLP1109	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.30	3.53	114	135	136	31,5	29	14	51	33	1,6				
	1 ⁵ / ₈	41	HLP1110	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.30	3.53	114	135	136	31,5	29	14	51	33	1,6				
	1 ¹¹ / ₁₆	-	HLP1111	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.30	3.53	114	135	136	31,5	29	14	51	33	1,6				
	1 ³ / ₄	-	HLP1112	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.38	3.53	114	135	136	31,5	29	14	51	35	1,6				
	1 ¹³ / ₁₆	46	HLP1113	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.01	1.38	3.53	114	135	136	31,5	29	14	51	35	1,6				
	1 ⁷ / ₈	-	HLP1114	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.52	3.53	114	135	136	31,5	29	14	60	39	1,6				
	1 ¹⁵ / ₁₆	-	HLP1115	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.52	3.53	114	135	136	31,5	29	14	60	39	1,6				
	2	50	HLP1200	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.52	3.75	114	135	136	31,5	29	14	60	39	1,7				
	2 ¹ / ₁₆	-	HLP1201	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.52	3.75	114	135	136	31,5	29	14	60	39	1,7				
	2 ¹ / ₈	-	HLP1202	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.65	3.75	114	135	136	31,5	29	14	60	42	1,7				
	2 ³ / ₁₆	55	HLP1203	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.65	3.75	114	135	136	31,5	29	14	60	42	1,7				
	2 ¹ / ₄	-	HLP1204	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.65	3.75	114	135	136	31,5	29	14	60	42	1,7				
	2 ⁵ / ₁₆	-	HLP1205	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.65	3.75	114	135	136	31,5	29	14	60	42	1,7				
	2 ³ / ₈	60	HLP1206	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.71	3.75	114	135	136	31,5	29	14	60	44	1,7				
	2 ¹ / ₂	62	HLP1207	1541	2089	4.48	5.32	5.35	1.2	1.13	0.55	2.36	1.71	3.75	114	135	136	31,5	29	14	60	44	1,7				
HMT3500	1 ³ / ₈	35	HLP3106	3750	5084	6.02	6.57	7.24	1.7	1.59	1.89	3.09	1.30	8.60	153	167	184	42,0	41	48	79	33	3,9				
	1 ¹ / ₂	36	HLP3107	3750	5084	6.02	6.57	7.24	1.7	1.59	1.89	3.09	1.30	8.60	153	167	184	42,0	41	48	79	33	3,9				
	1 ⁵ / ₈	38	HLP3108	3750	5084	6.02	6.57	7.24	1.7	1.59	1.81	3.16	1.42	8.60	153	167	184	42,0	41	46	80	36	3,9				
	1 ³ / ₄	-	HLP3109	3750	5084	6.02	6.57	7.24	1.7	1.59	1.81	3.16	1.42	8.60	153	167	184	42,0	41	46	80	36	3,9				
	1 ⁷ / ₈	41	HLP3110	3750	5084	6.02	6.57	7.24	1.7	1.59	1.81	3.16	1.42	8.60	153	167	184	42,0	41	46	80	36	3,9				
	1 ¹¹ / ₁₆	-	HLP3111	3750	5084	6.02	6.57	7.24	1.7	1.59	1.81	3.16	1.42	8.60	153	167	184	42,0	41	46	80	36	3,9				
	1 ³ / ₄	-	HLP3112	3750	5084	6.02	6.57	7.24	1.7	1.59	1.58	3.08	1.52	8.60	153	167	184	42,0	41	40	78	39	3,9				
	1 ¹³ / ₁₆	46	HLP3113	3750	5084	6.02	6.57	7.24	1.7	1.59	1.58	3.08	1.52	8.60	153	167	184	42,0	41	40	78	39	3,9				
	1 ⁷ / ₈	-	HLP3114	3750	5084	6.02	6.57	7.24	1.7	1.59	1.42	3.05	1.63	8.60	153	167	184	42,0	41	36	77	41	3,9				
	1 ¹⁵ / ₁₆	-	HLP3115	3750	5084	6.02	6.57	7.24	1.7	1.59	1.42	3.05	1.63	8.60	153	167	184	42,0	41	36	77	41	3,9				
	2	50	HLP3200	3750	5084	6.02	6.57	7.24	1.7	1.59	1.42	3.05	1.63	8.60	153	167	184	42,0	41	36	77	41	3,9				
	2 ¹ / ₁₆	-	HLP3201	3750	5084	6.02	6.57	7.24	1.7	1.59	1.42	3.05	1.63	8.82	153	167	184	42,0	41	36	77	41	4,0				
	2 ¹ / ₈	-	HLP3202	3750	5084	6.02	6.57	7.24	1.7	1.59	1.18	2.97	1.74	8.82	153	167	184	42,0	41	30	75	44	4,0				
	2 ³ / ₁₆	55	HLP3203	3750	5084	6.02	6.57	7.24	1.7	1.59	1.18	2.97	1.74	8.82	153	167	184	42,0	41	30	75	44	4,0				
	2 ¹ / ₄	-	HLP3204	3750	5084	6.02	6.57	7.24	1.7	1.59	1.18	2.97	1.74	8.82	153	167	184	42,0	41	30	75	44	4,0				
	2 ⁵ / ₁₆	-	HLP3205	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.68	1.85	9.04	153	167	184	42,0	41	16	68	47	4,1				
	2 ³ / ₈	60	HLP3206	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.68	1.85	9.04	153	167	184	42,0	41	16	68	47	4,1				
	2 ¹ / ₂	62	HLP3207	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	1.85	9.04	153	167	184	42,0	41	16	71	47	4,1				
	2 ⁵ / ₈	63	HLP3208	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	1.96	9.04	153	167	184	42,0	41	16	71	50	4,1				
	2 ³ / ₄	65	HLP3209	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	1.96	9.04	153	167	184	42,0	41	16	71	50	4,1				
	2 ⁷ / ₈	-	HLP3210	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	2.07	9.04	153	167	184	42,0	41	16	71	53	4,1				
	2 ¹¹ / ₁₆	-	HLP3211	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	2.07	9.04	153	167	184	42,0	41	16	71	53	4,1				
	2 ³ / ₄	70	HLP3212	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	2.07	9.04	153	167	184	42,0	41	16	71	53	4,1				
2 ¹³ / ₁₆	-	HLP3213	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	2.07	9.04	153	167	184	42,0	41	16	71	53	4,1					
2 ⁷ / ₈	-	HLP3214	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.80	2.07	9.04	153	167	184	42,0	41	16	71	53	4,1					
2 ¹⁵ / ₁₆	75	HLP3215	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.99	2.19	9.04	153	167	184	42,0	41	16	76	56	4,1					
3	-	HLP3300	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.99	2.19	9.04	153	167	184	42,0	41	16	76	56	4,1					
3 ¹ / ₁₆	-	HLP3301	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.99	2.19	9.04	153	167	184	42,0	41	16	76	56	4,1					
3 ¹ / ₈	80	HLP3302	3750	5084	6.02	6.57	7.24	1.7	1.59	0.63	2.99	2.19	9.04	153	167	184	42,0	41	16	76	56	4,1					



Optional Parts for HLP-Hexagon Cassettes

- Full torque rated
- Includes pin to secure onto HLP-cassette
- ④ HRP: allows offset reaction when in-line reaction point is not available
- ⑤ HTE: Increases tool fit in restricted areas.

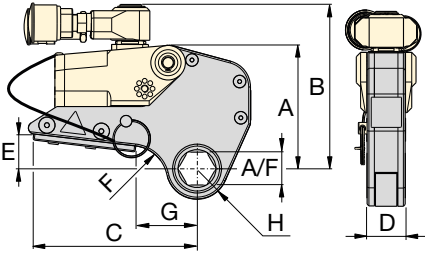
For HMT with HLP-Series Hexagon Cassettes

HMT1500 + HLP1
HMT3500 + HLP3
HMT7500 + HLP7
HMT13000 + HLP13

Reaction Paddle Model Nr.

HRP15
HRP35
HRP75
HRP130

Hexagon Cassettes for HMT-Drive Units



Hexagon Range:

1 1/16 - 4 5/8 inch

Hexagon Range:

27 - 115 mm

Maximum Operating Pressure:

690 bar / 10.000 psi

**HLP
Series**



▼ SELECTION CHART

IMPORTANT: HMT-drive units must be ordered separately to operate the HLP-Hexagon Cassettes.

Drive Unit Model Number	Hexagon Size A/F		Hexagon Cassette Model Number	Maximum Torque		Dimensions (inch)									Dimensions (mm)								
	(inch)	(mm)		(Ft.lbs)	(Nm)	A	B	C	D	E	F	G	H		(lbs)	A	B	C	D	E	F	G	
HMT7500	2 ³ / ₁₆	55	HLP7203	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.65	3.39	1.91	15.65	193	203	227	52.6	46	42	86	49	7.1
	2 ¹ / ₄	-	HLP7204	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.65	3.39	1.91	15.65	193	203	227	52.6	46	42	86	49	7.1
	2 ⁵ / ₁₆	-	HLP7205	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.65	3.39	1.91	15.65	193	203	227	52.6	46	42	86	49	7.1
	2 ³ / ₈	60	HLP7206	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.18	3.15	1.99	15.65	193	203	227	52.6	46	30	80	51	7.1
	2 ⁷ / ₁₆	62	HLP7207	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.18	3.15	1.99	15.65	193	203	227	52.6	46	30	80	51	7.1
	2 ¹ / ₂	63	HLP7208	7562	10.252	7.60	8.01	8.94	2.1	1.81	1.18	3.15	1.99	15.65	193	203	227	52.6	46	30	80	51	7.1
	2 ⁹ / ₁₆	65	HLP7209	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.87	3.15	2.07	15.65	193	203	227	52.6	46	22	80	53	7.1
	2 ⁵ / ₈	-	HLP7210	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.79	3.15	2.19	15.65	193	203	227	52.6	46	20	80	56	7.1
	2 ¹¹ / ₁₆	-	HLP7211	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.79	3.15	2.19	15.65	193	203	227	52.6	46	20	80	56	7.1
	2 ³ / ₄	70	HLP7212	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.79	3.15	2.19	17.42	193	203	227	52.6	46	20	80	56	7.9
	2 ¹³ / ₁₆	-	HLP7213	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.79	3.15	2.19	17.42	193	203	227	52.6	46	20	80	56	7.9
	2 ⁷ / ₈	-	HLP7214	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.79	3.15	2.19	17.42	193	203	227	52.6	46	20	80	56	7.9
	2 ¹⁵ / ₁₆	75	HLP7215	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.15	2.26	17.42	193	203	227	52.6	46	17	80	58	7.9
	3	-	HLP7300	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.38	17.42	193	203	227	52.6	46	17	86	61	7.9
	3 ¹ / ₁₆	-	HLP7301	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.38	17.42	193	203	227	52.6	46	17	86	61	7.9
	3 ¹ / ₈	80	HLP7302	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.38	17.42	193	203	227	52.6	46	17	86	61	7.9
	3 ¹ / ₄	-	HLP7304	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.52	17.42	193	203	227	52.6	46	17	86	64	7.9
	-	85	HLP7085M	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.52	17.42	193	203	227	52.6	46	17	86	64	7.9
	3 ³ / ₈	-	HLP7306	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.39	2.52	17.42	193	203	227	52.6	46	17	86	64	7.9
	3 ⁷ / ₁₆	-	HLP7307	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.50	2.52	17.64	193	203	227	52.6	46	17	89	64	8.0
	3 ¹ / ₂	-	HLP7308	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.50	2.64	17.64	193	203	227	52.6	46	17	89	67	8.0
	-	90	HLP7090M	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.74	2.64	17.64	193	203	227	52.6	46	17	95	67	8.0
	3 ⁹ / ₁₆	-	HLP7309	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.74	2.78	17.64	193	203	227	52.6	46	17	95	71	8.0
	3 ³ / ₄	95	HLP7312	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.74	2.89	18.08	193	203	227	52.6	46	17	95	71	8.2
3 ⁷ / ₈	-	HLP7314	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.74	2.89	18.08	193	203	227	52.6	46	17	95	74	8.2	
3 ¹⁵ / ₁₆	100	HLP7315	7562	10.252	7.60	8.01	8.94	2.1	1.81	0.67	3.74	2.89	18.08	193	203	227	52.6	46	17	95	74	8.2	
HMT13000	2 ⁷ / ₁₆	62	HLP13207	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ¹ / ₂	63	HLP13208	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ⁹ / ₁₆	65	HLP13209	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ⁵ / ₈	67	HLP13210	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ¹¹ / ₁₆	68	HLP13211	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ³ / ₄	70	HLP13212	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ¹³ / ₁₆	71	HLP13213	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ⁷ / ₈	73	HLP13214	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.95	4.69	2.28	24.3	204	242	276	63.4	57	75	119	58.0	11.0
	2 ¹⁵ / ₁₆	75	HLP13215	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.69	2.40	24.3	204	242	276	63.4	57	70	119	61.0	11.0
	3	77	HLP13300	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.56	24.3	204	242	276	63.4	57	70	124	65.0	11.0
	3 ¹ / ₁₆	78	HLP13301	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.56	24.3	204	242	276	63.4	57	70	124	65.0	11.0
	3 ¹ / ₈	80	HLP13302	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.56	24.3	204	242	276	63.4	57	70	124	65.0	11.0
	3 ³ / ₁₆	81	HLP13303	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.58	24.3	204	242	276	63.4	57	70	124	65.5	11.0
	3 ¹ / ₄	83	HLP13304	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.58	24.3	204	242	276	63.4	57	70	124	65.5	11.0
	3 ⁵ / ₁₆	84	HLP13305	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.58	24.3	204	242	276	63.4	57	70	124	65.5	11.0
	-	85	HLP13085M	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.58	24.3	204	242	276	63.4	57	70	124	65.5	11.0
	3 ³ / ₈	86	HLP13306	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.76	4.88	2.58	24.3	204	242	276	63.4	57	70	124	65.5	11.0
	3 ⁷ / ₁₆	-	HLP13307	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.36	4.88	2.76	24.3	204	242	276	63.4	57	60	124	70.0	11.0
	3 ¹ / ₂	89	HLP13308	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.36	4.88	2.76	24.3	204	242	276	63.4	57	60	124	70.0	11.0
	-	90	HLP13090M	13.489	18.289	8.03	9.53	10.87	2.50	2.25	2.36	4.88	2.76	26.5	204	242	276	63.4	57	60	124	70.0	12.0
	3 ⁹ / ₁₆	91	HLP13309	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.34	4.33	2.91	26.5	204	242	276	63.4	57	34	110	74.0	12.0
	3 ⁵ / ₈	92	HLP13310	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.34	4.33	2.91	26.5	204	242	276	63.4	57	34	110	74.0	12.0
	3 ¹¹ / ₁₆	94	HLP13311	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.34	4.33	2.91	26.5	204	242	276	63.4	57	34	110	74.0	12.0
	3 ³ / ₄	95	HLP13312	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.34	4.33	2.91	26.5	204	242	276	63.4	57	34	110	74.0	12.0
	3 ¹³ / ₁₆	97	HLP13313	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.73	4.69	2.95	26.5	204	242	276	63.4	57	44	119	75.0	12.0
	3 ⁷ / ₈	99	HLP13314	13.489	18.289	8.03	9.53	10.87	2.50	2.25	1.73	4.69	2.95	26.5	204	242	276	63.4	57	44	119	75.0	12.0
	3 ¹																						