


From November, the 1st, INTERMOT ITALY introduces the new “3 SERIES” of IAM H1 - H2 - H3 - H4 - H5 motors.

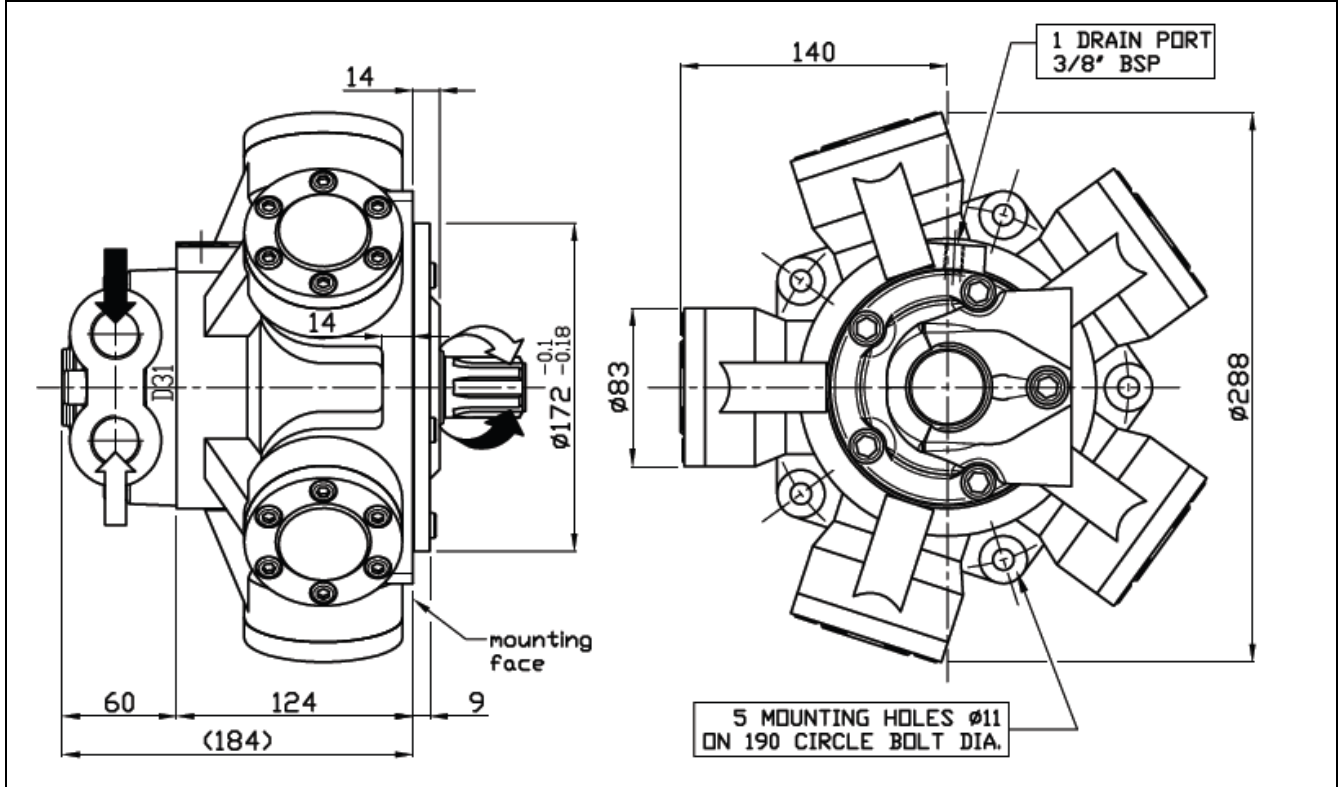
Even if this new generation is externally completely similar to the previous one, it can be easily distinguished by our logo  which is placed on oil conducts.



More important are the internally applied variations, which are related to the choice of new materials, heat treatments, new tolerances, and special seals. All these innovations enable to transfer 20% power more and longer lifetime. Moreover noise was reduced. Thanks to these improvements most of which are realized in co-operation with the Users, we are allowed to expand the use of our motors in many applications which were not approachable from the previous range.

MODEL	N° of pistons	Displacement [cm ³ /rev]	Specific Torque [Nm/bar]	Pressure			Speed		Max Case Pressure [bar]	Max Power		Dry Mass [kg]	Inertia moment of rotating parts [kg cm ²]
				Max Cont.	Max Int.	Peak	Max Cont.	Peak		[hp]	[kW]		
				[bar]			[rpm]						
IAM H1	100	99	1.6	300	350	400	950	1050	6	64	48	26	18
	150	159	2.5	300	350	400	950	1050	6	64	48	26	18
	200	207	3.3	300	350	400	750	850	6	64	48	26	18
	250	251	4.0	300	350	400	750	850	6	64	48	26	18
	300	299	4.8	300	350	400	750	850	6	64	48	26	18
IAM H2	200	198	3.1	300	350	400	800	900	6	79	59	42	27
	250	255	4.1	300	350	400	750	850	6	79	59	42	27
	300	304	4.8	300	350	400	750	850	6	79	59	42	27
	350	362	5.8	300	350	400	650	750	6	79	59	42	27
	400	425	6.8	300	350	400	600	700	6	79	59	42	27
	500	493	7.8	300	350	400	500	600	6	79	59	42	27
	600	565	9.0	300	350	400	500	600	6	79	59	42	27
IAM H3	400	404	6.4	300	350	400	600	680	6	110	82	68	214
	500	491	7.8	300	350	400	600	680	6	110	82	68	214
	600	616	9.8	300	350	400	550	630	6	110	82	68	214
	700	707	11.3	300	350	400	450	500	6	110	82	68	214
	800	779	12.4	300	350	400	400	450	6	110	82	68	214
IAM H4	800	764	12.2	300	350	400	450	530	6	129	96	92	267
	900	877	14.0	300	350	400	450	530	6	129	96	92	267
	1000	966	15.4	300	350	400	300	400	6	129	96	92	267
	1100	1093	17.4	300	350	400	300	400	6	129	96	92	267
	1200	1193	19.0	300	350	400	300	350	6	129	96	92	267
	1400	1406	22.4	300	350	400	230	280	6	129	96	92	267
IAM H5	1200	1232	19.6	300	350	400	300	350	6	193	144	173	697
	1400	1376	21.9	300	350	400	300	350	6	193	144	173	697
	1600	1690	26.9	300	350	400	300	340	6	193	144	173	697
	1800	1816	28.9	300	350	400	250	300	6	193	144	173	697
	2000	2127	33.9	300	350	400	230	260	6	193	144	173	697
	2200	2221	35.3	300	350	400	220	240	6	193	144	173	697

IAM H1 100 – 150

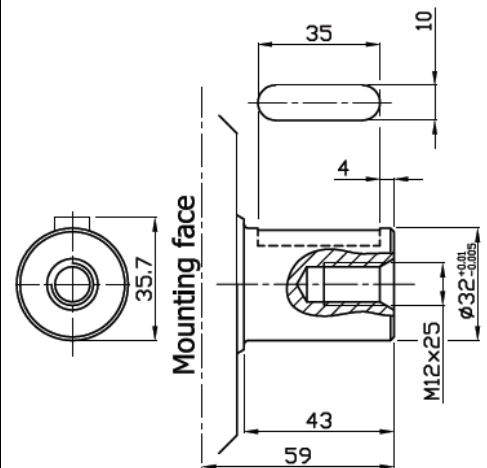
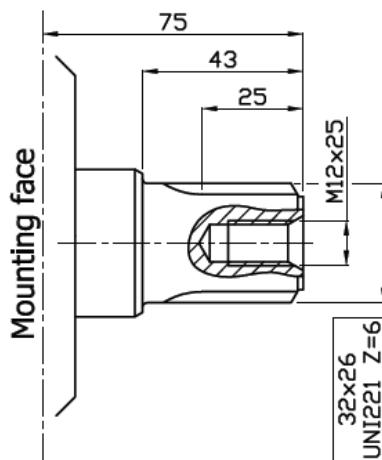
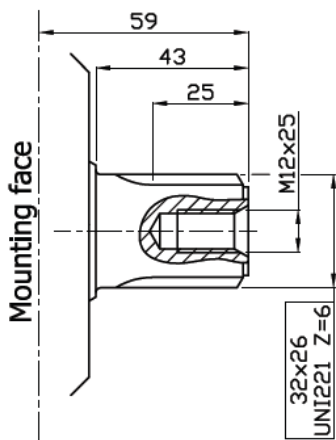


SHAFTS

A0: Standard splined shaft

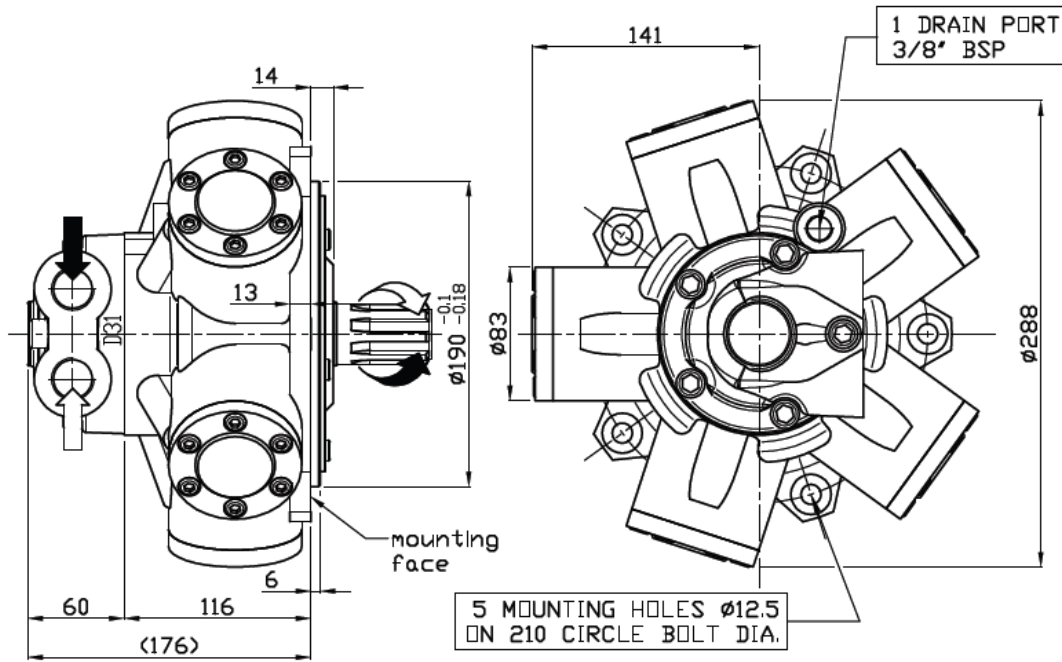
A1: Splined shaft on request

A2: Parallel shaft on request



Only for IAM H1 100 and 150 female shaft 35x2X16 DIN5480 available upon request

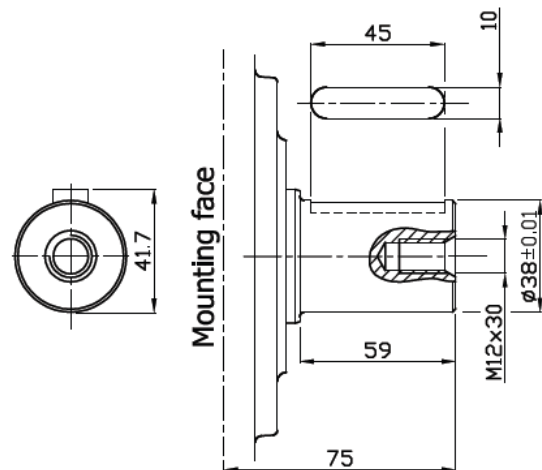
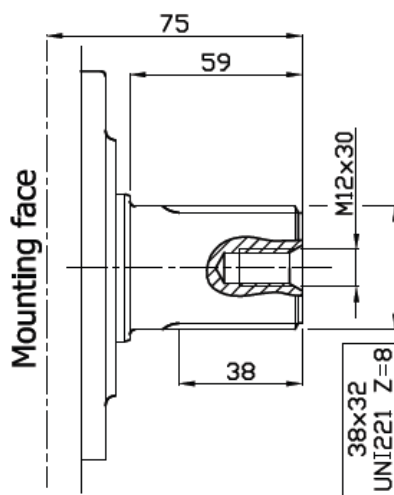
IAM H1 200 - 250 - 300



SHAFTS

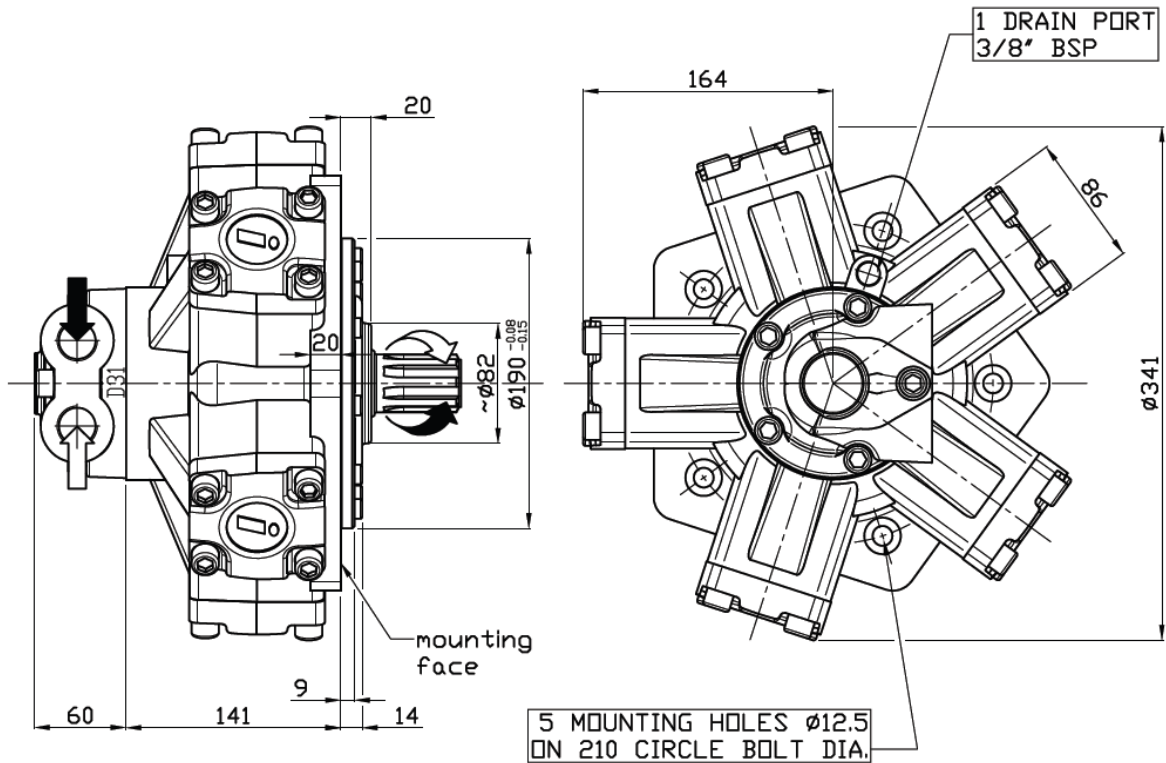
A0: Standard splined shaft

A2: Parallel shaft on request



Only for IAM H1 300 female shaft 35x2x16 DIN5480 available upon request

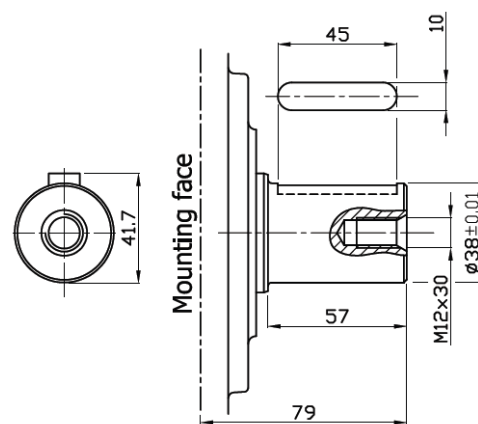
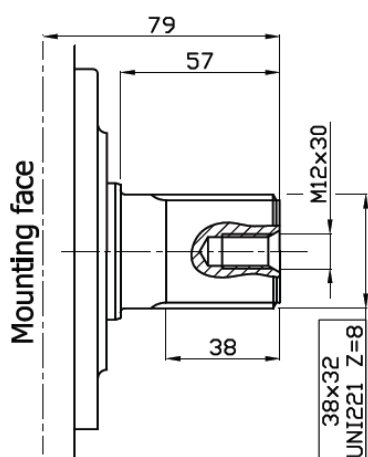
IAM H2 200 – 250 – 300 – 350



SHAFTS

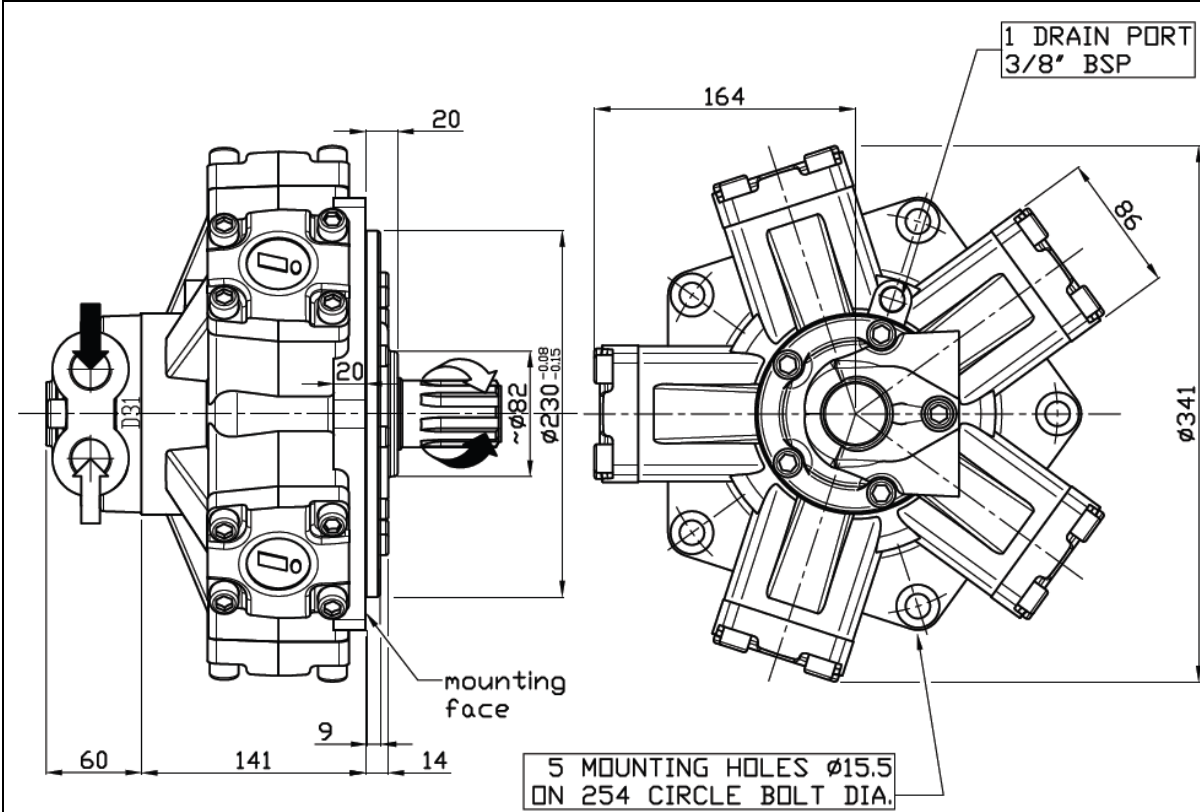
A0: Standard splined shaft

A2: Parallel shaft on request



Only for IAM H2 300 female shaft 40x3x12 DIN5480 available upon request

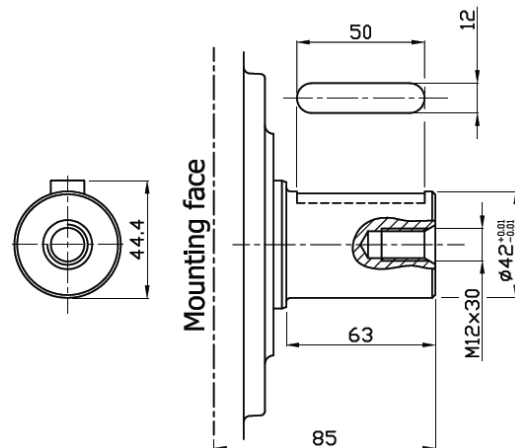
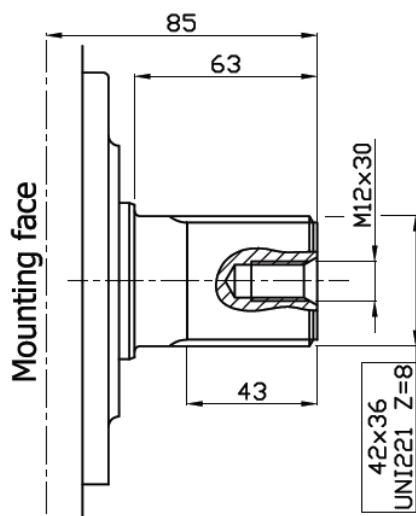
IAM H2 400 – 500 – 600



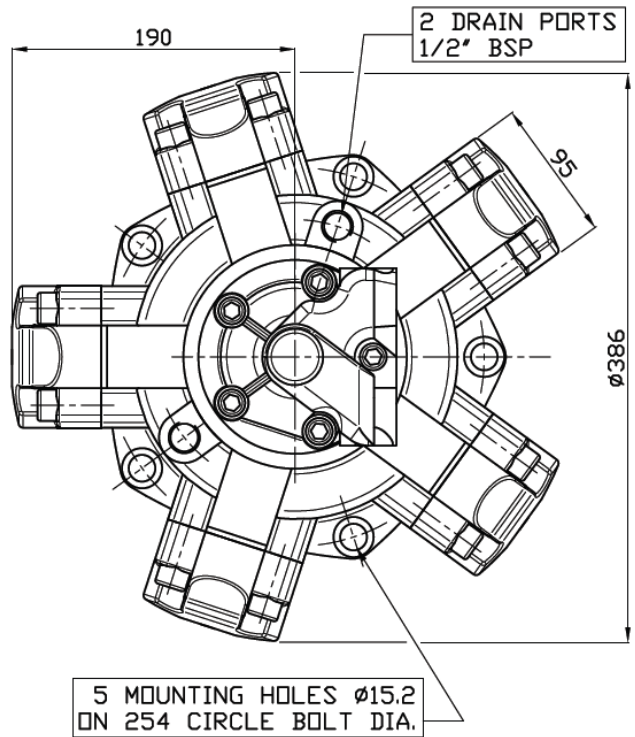
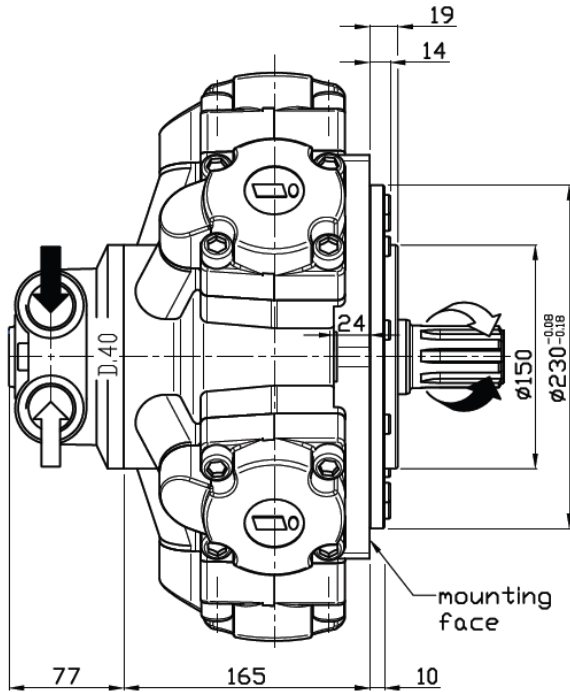
SHAFTS

A0: Standard splined shaft

A2: Parallel shaft on request



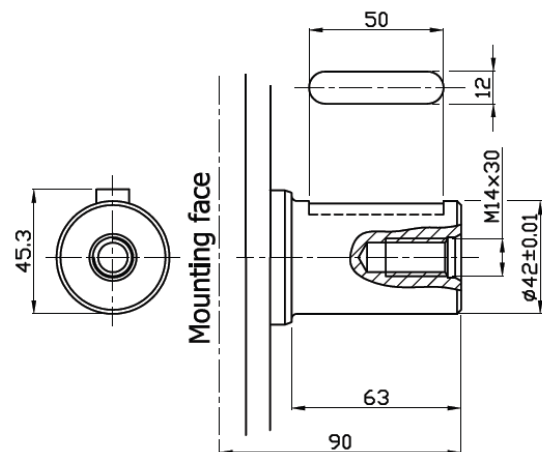
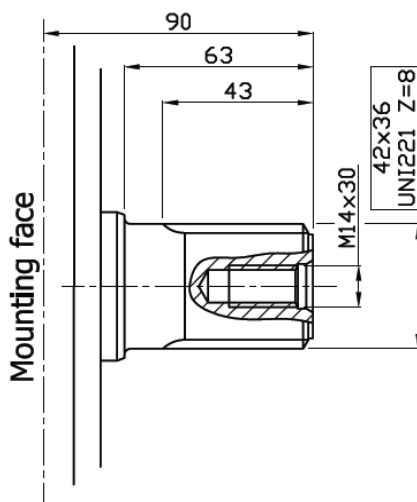
IAM H3 400 – 500 – 600 – 700



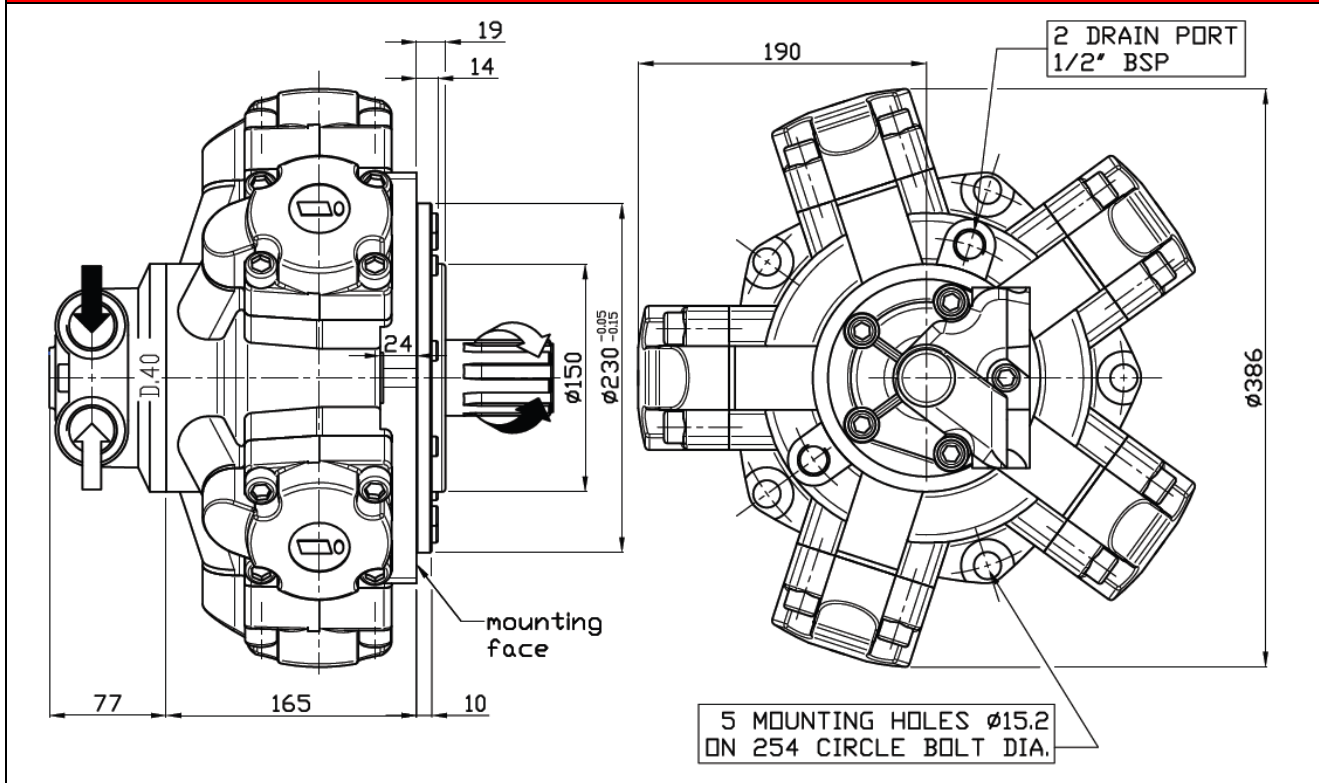
SHAFTS

A0: Standard splined shaft

A2: Parallel shaft on request



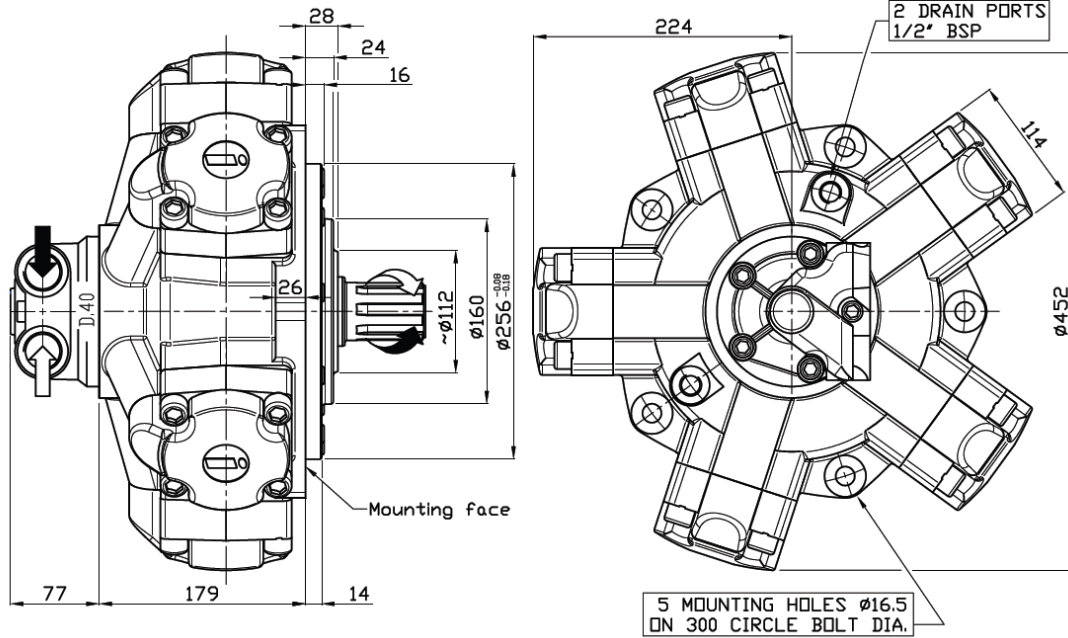
IAM H3 800



SHAFTS

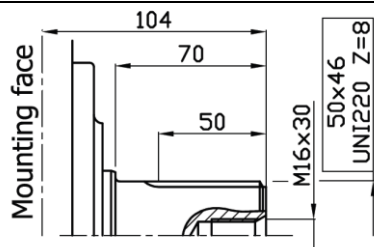
A0: Standard splined shaft	A2: Parallel shaft on request	A22: Parallel shaft on request
<p>Technical drawing of shaft A0 (Standard splined shaft). Dimensions: 90, 47, M14x30, 50x46 UNI 220 Z=8. Mounting face is indicated.</p>	<p>Technical drawing of shaft A2 (Parallel shaft on request). Dimensions: 50, 12, M14x30, $\phi 42 \pm 0.01$, 63, 90. Mounting face is indicated.</p>	<p>Technical drawing of shaft A22 (Parallel shaft on request). Dimensions: 60, 16, M14x30, $\phi 50 \pm 0.01$, 90. Mounting face is indicated.</p>

IAM H4 800 – 900 – 1000 – 1100 – 1200 – 1400

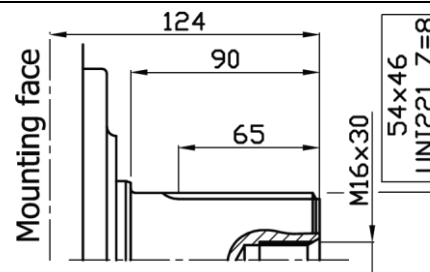


SHAFTS

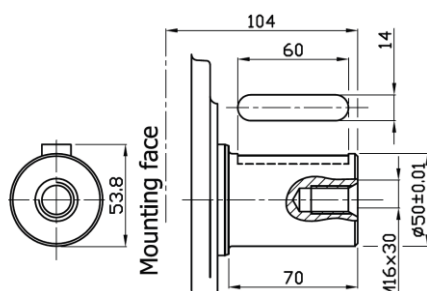
A0: Standard splined shaft



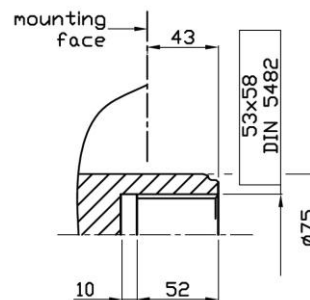
A1: Splined shaft on request

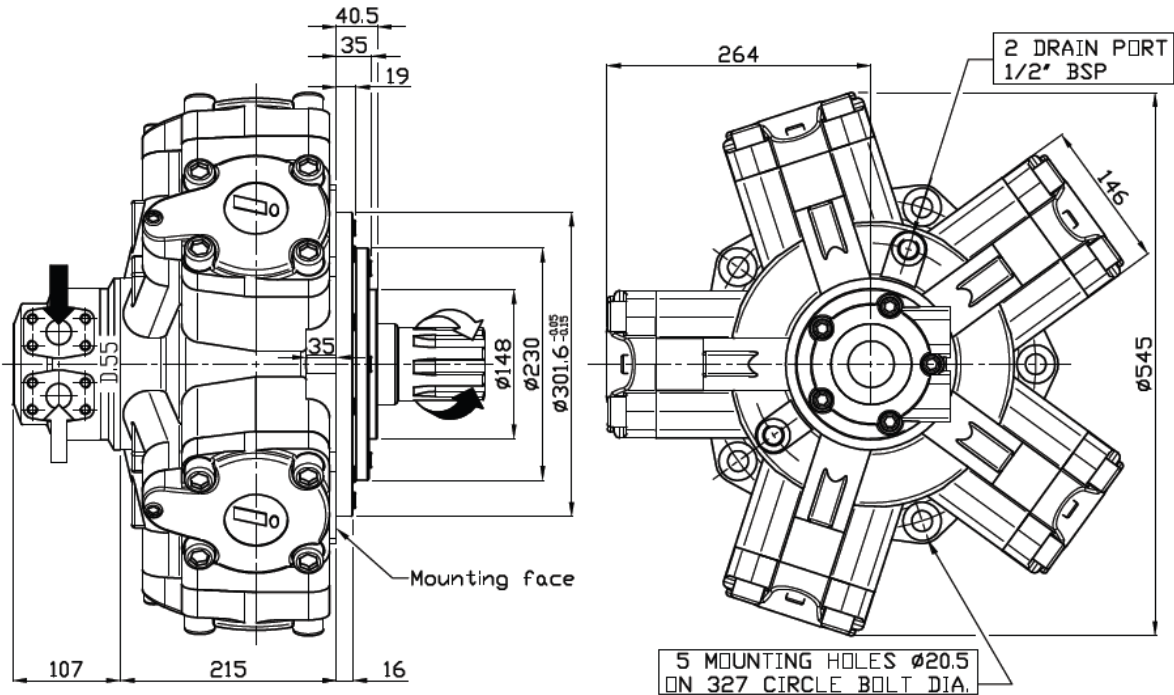


A2: Parallel shaft on request



A3: Female shaft on request

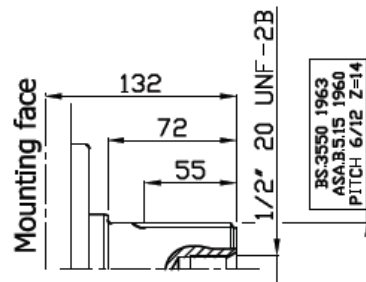
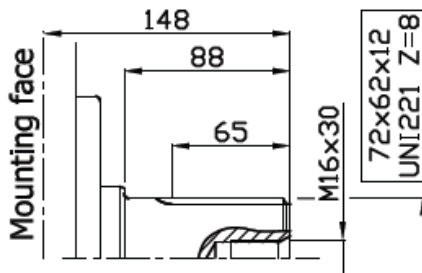




SHAFTS

A0: Standard splined shaft

A1: Splined shaft on request



A2: Parallel shaft on request

A3: Female shaft on request

