From November the 1st 2011, INTERMOT ITALY introduces the new *"3 SERIES"* of IAM H1 - H2 - H3 - H4 - H5 – H6 – H7 motors.

Even if this new generation is externally completely similar to the previous one, it can be easily distinguished by our logo i 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.

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IAM Series

Motor Technical Data

MODEL		N° of pistons	Displacement	Specific Torque	Pressure			Speed		Max Case Pressure	Max Power		Dry Mass	Inertia moment of rotating parts
					Max Cont.	Max Int.	Peak	Max Cont.	Peak					
			[cm³/rev]	[Nm/bar]	[bar]			[rpm]		[bar]	[hp]	[kW]	[kg]	[kg cm²]
IAM H1	100	5	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	5	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	5	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	5	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

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IAM Series

Motor Technical Data

MODEL		N° of pistons	Displacement	Specific Torque	Pressure			Speed		Max Case Pressure	Max Power		Dry Mass	Inertia moment of rotating parts
					Max Cont.	Max Int.	Peak	Max Cont.	Peak					
			[cm³/rev]	[Nm/bar]	[bar]			[rpm]		[bar]	[hp]	[kW]	[kg]	[kg cm²]
IAM H5	1200	5	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 H6	2200	5	2207	35.1	300	350	400	220	260	6	286	213	308	1745
	2500		2526	40.2	300	350	400	220	260	6	286	213	308	1745
	2800		2808	44.7	300	350	400	220	260	6	286	213	308	1745
	3000		2985	47.5	300	350	400	210	250	6	286	213	308	1745
	3200		3290	52.4	300	350	400	200	240	6	286	213	308	1745
	3500		3481	55.4	300	350	400	200	240	6	286	213	308	1745
IAM H7	3900	7	3909	62.2	300	350	400	160	200	6	290	216	405	4064
	4300		4345	69.2	300	350	400	150	190	6	290	216	405	4064
	4600		4618	73.5	300	350	400	140	190	6	290	216	405	4064
	5000		5092	81.0	300	350	400	140	180	6	290	216	405	4064
	5400		5387	85.7	300	350	400	130	170	6	290	216	405	4064

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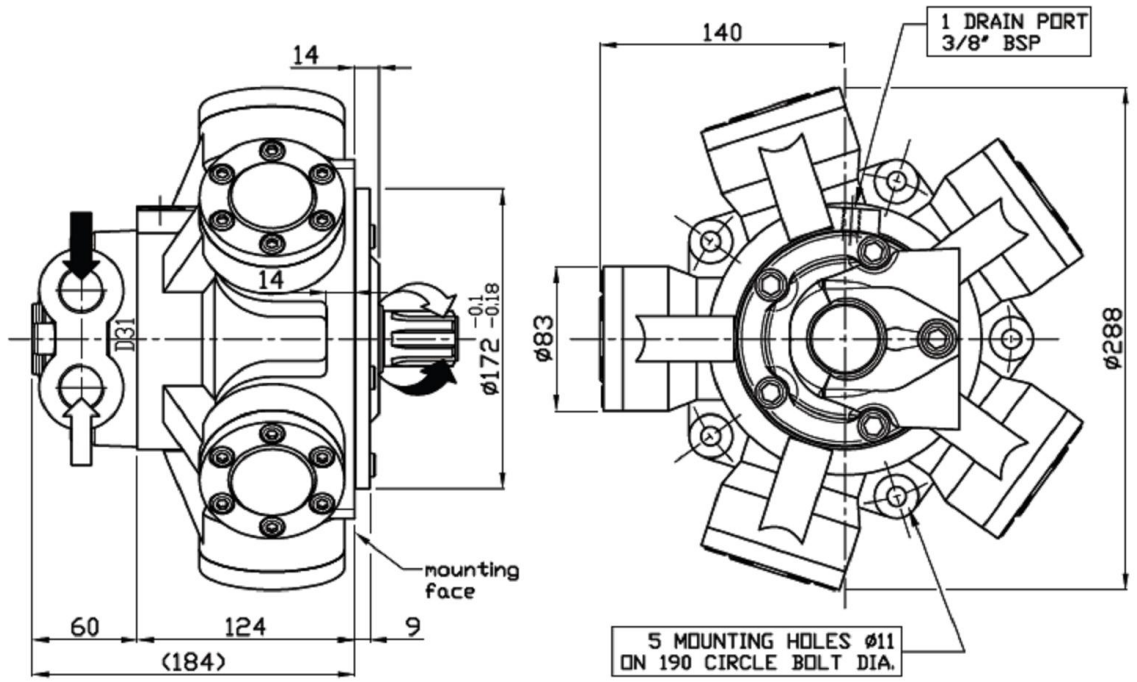
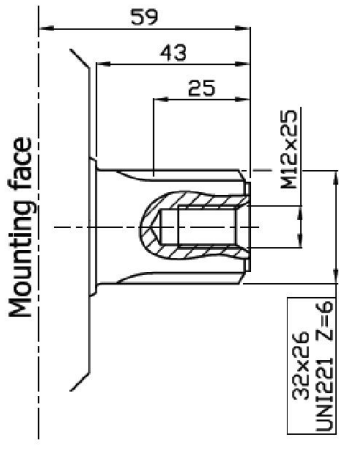
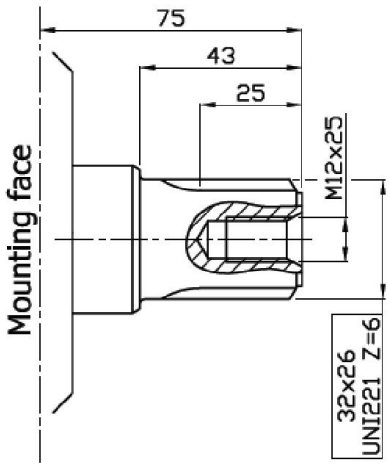
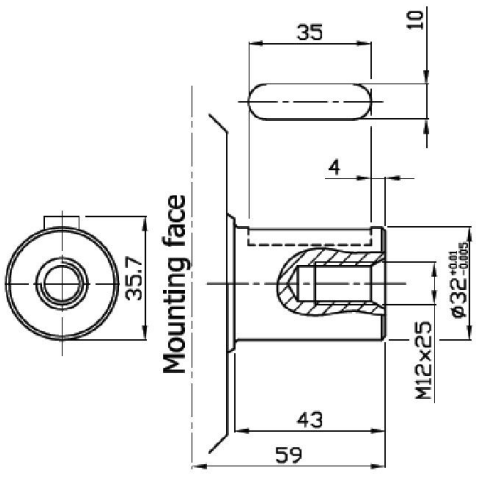
IAM H1

Dimensional drawings

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

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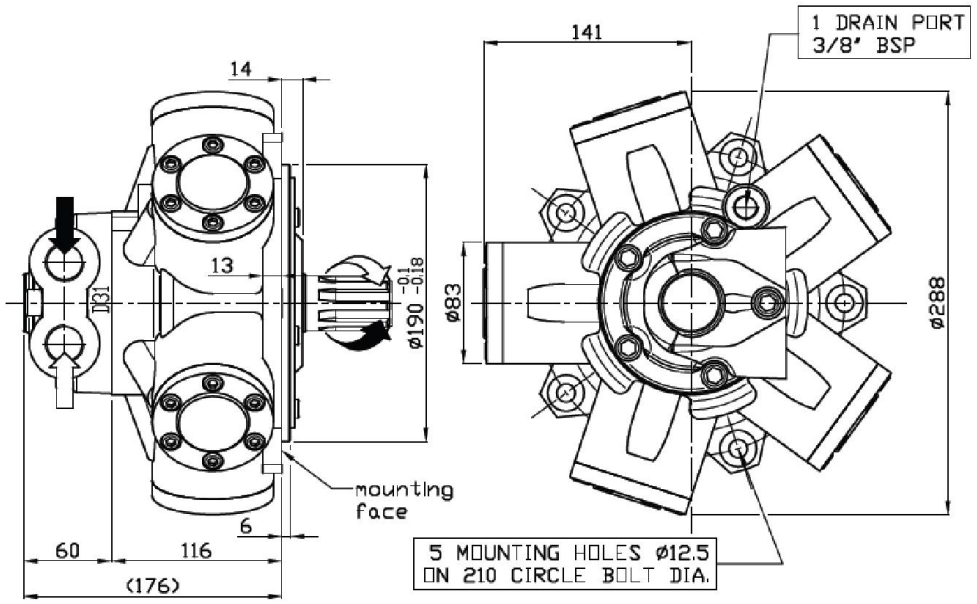
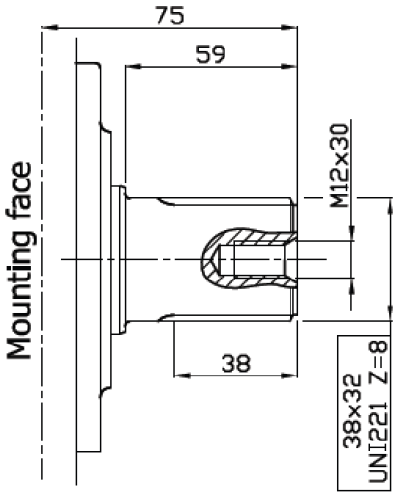
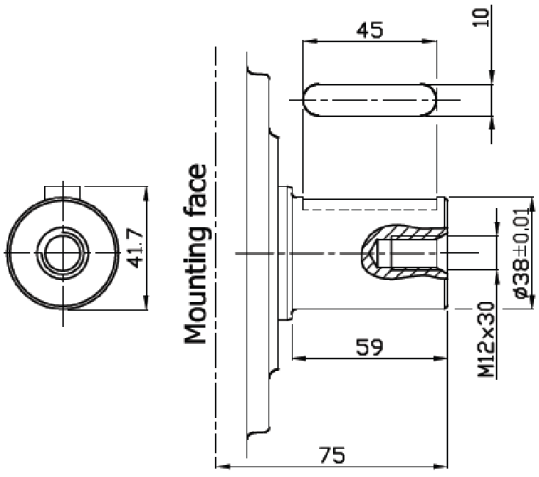
IAM H1

Dimensional drawings

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

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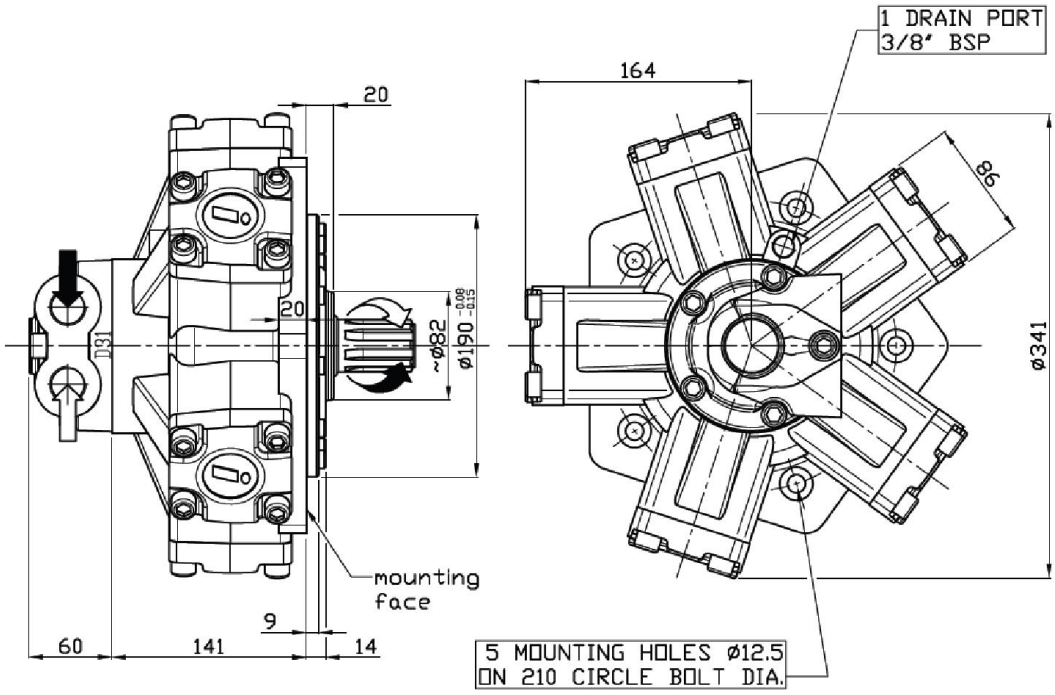
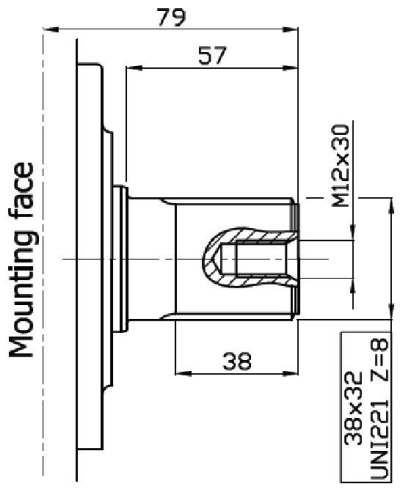
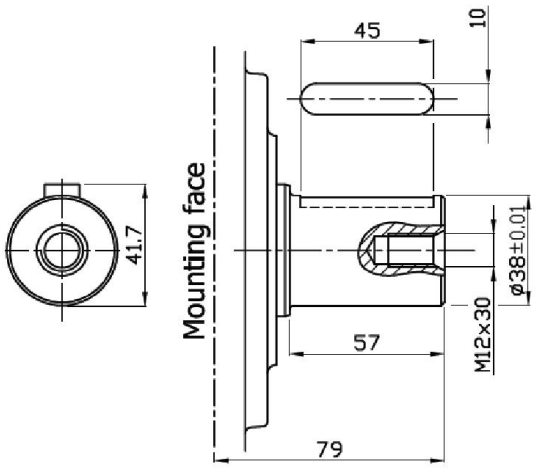
IAM H2

Dimensional drawings

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

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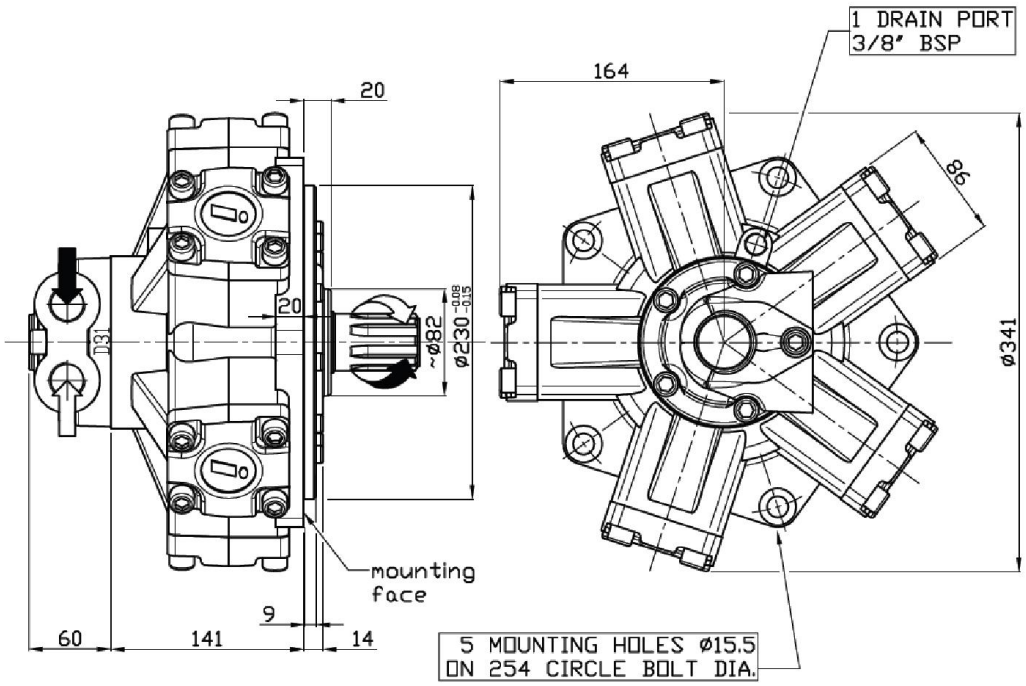
IAM H2

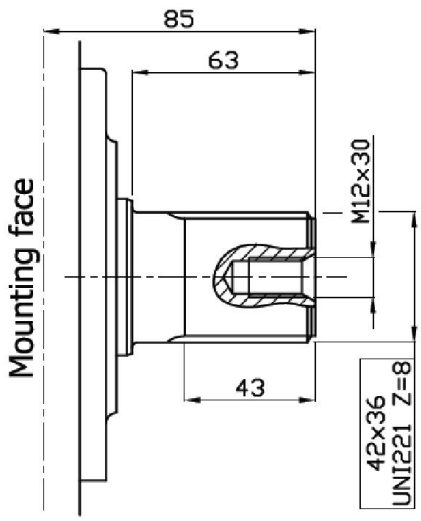
Dimensional drawings

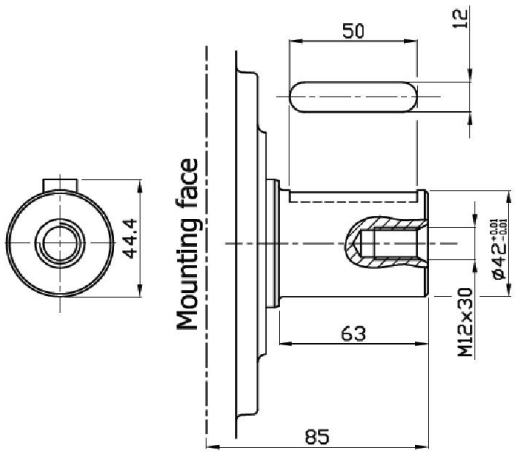
IAM H2 400 – 500 – 600



SHAFTS

A0: Standard splined shaft	A2: Parallel shaft on request

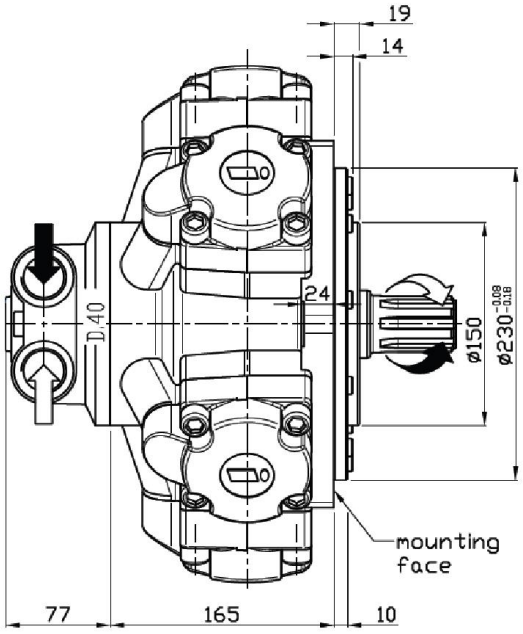


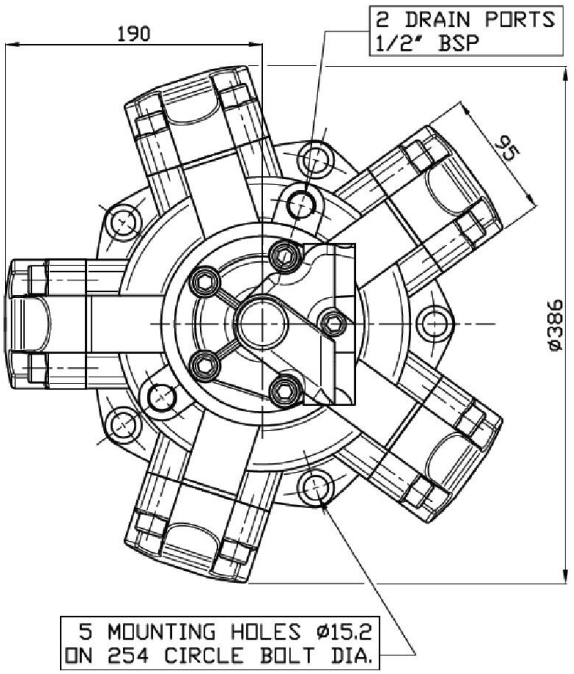


IAM H3

Dimensional drawings

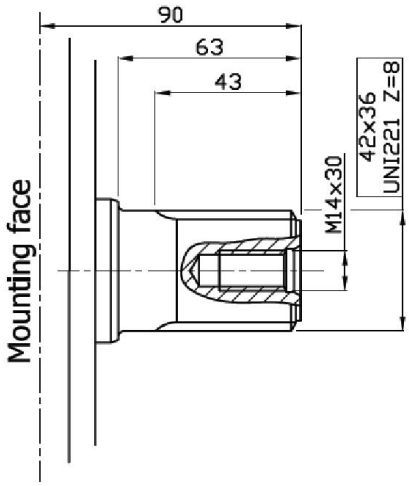
IAM H3 400 – 500 – 600 – 700

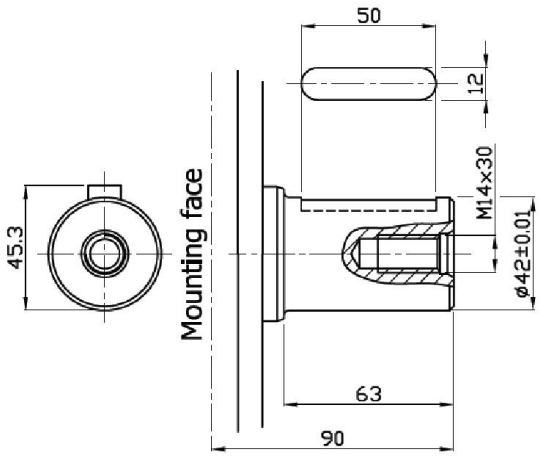




SHAFTS

A0: Standard splined shaft	A2: Parallel shaft on request





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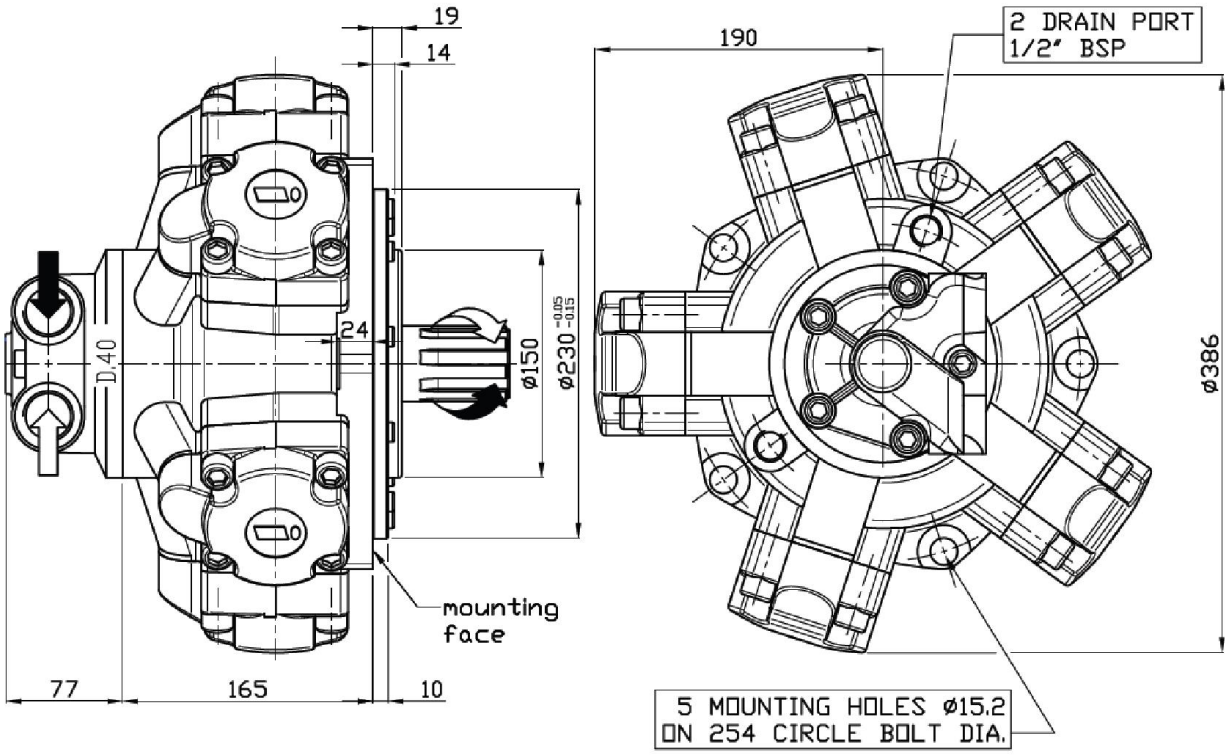
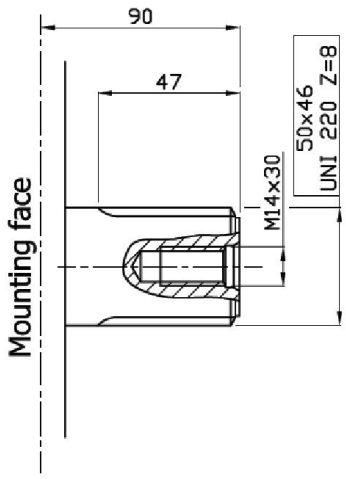
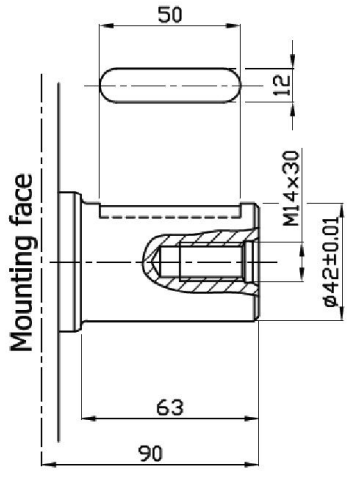
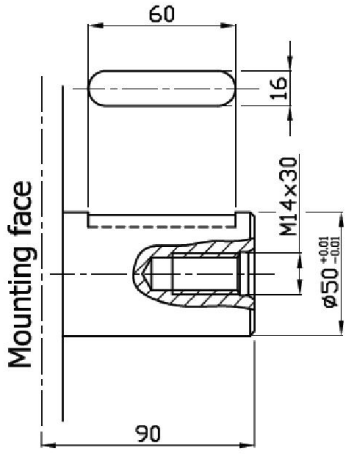
IAM H3

Dimensional drawings

IAM H3 800



SHAFTS

A0: Standard splined shaft	A2: Parallel shaft on request	A22: Parallel shaft on request
		

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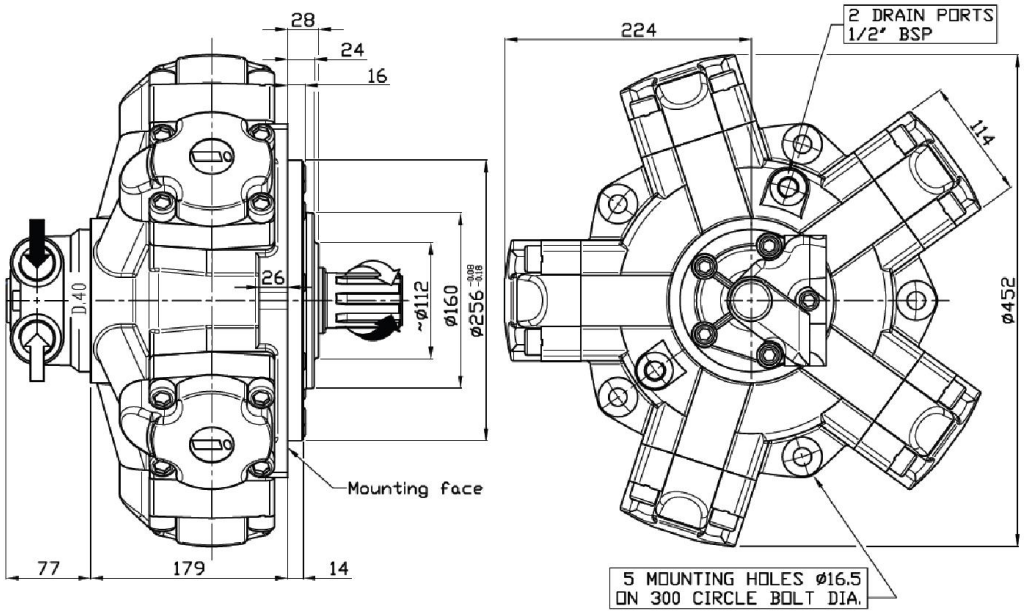
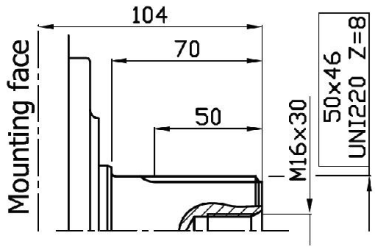
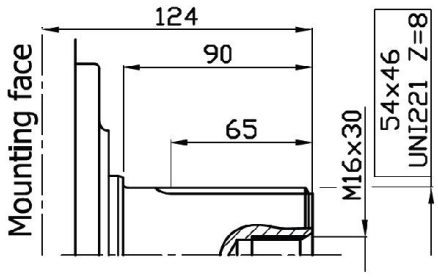
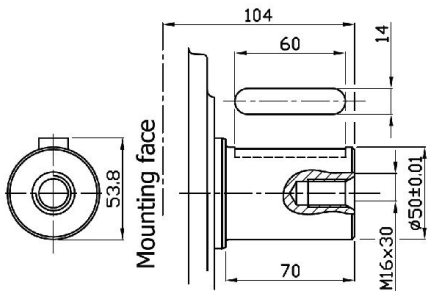
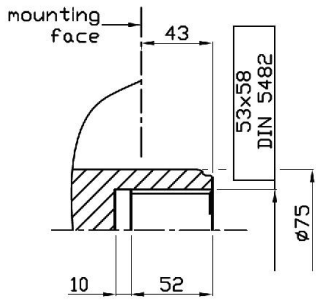
IAM H4

Dimensional drawings

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**
	

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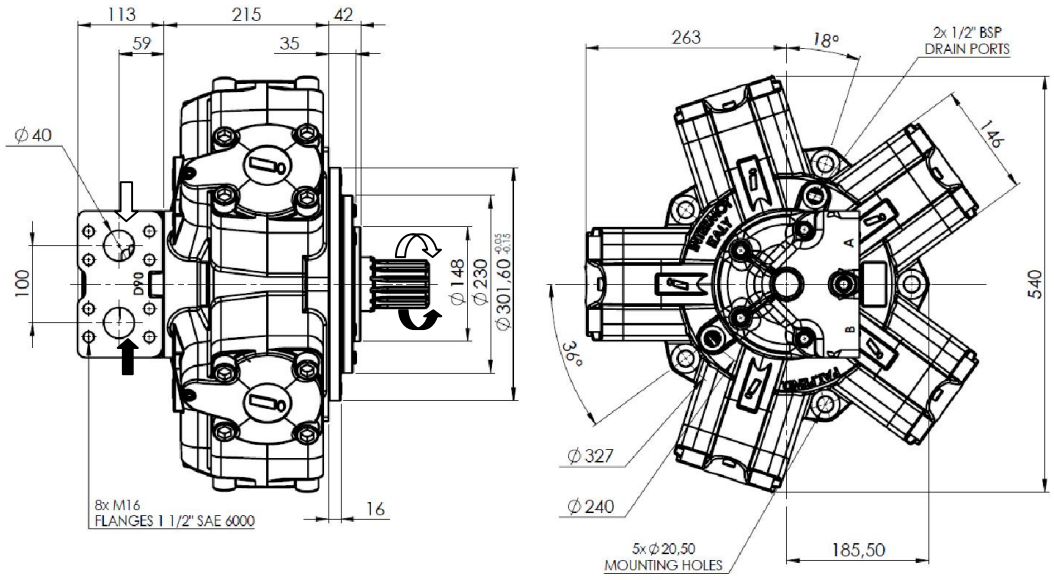
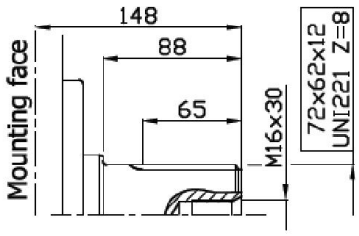
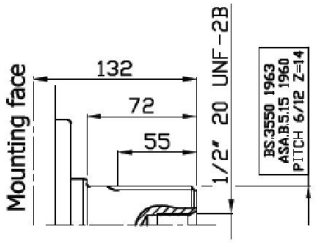
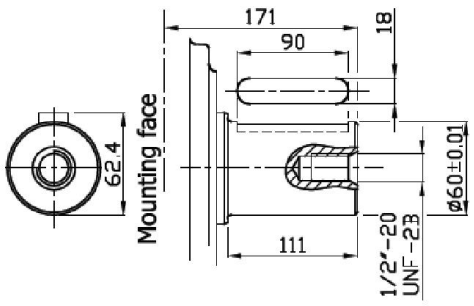
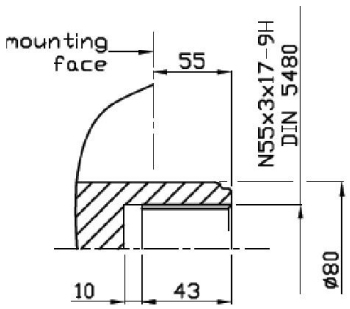
IAM H5

Dimensional drawings

IAM H5 1200 – 1400 – 1600 – 1800 – 2000 – 2200



SHAFTS

A0: Standard splined shaft	A1: Splined shaft on request
	
A2: Parallel shaft on request	**A3: Female shaft on request**
	

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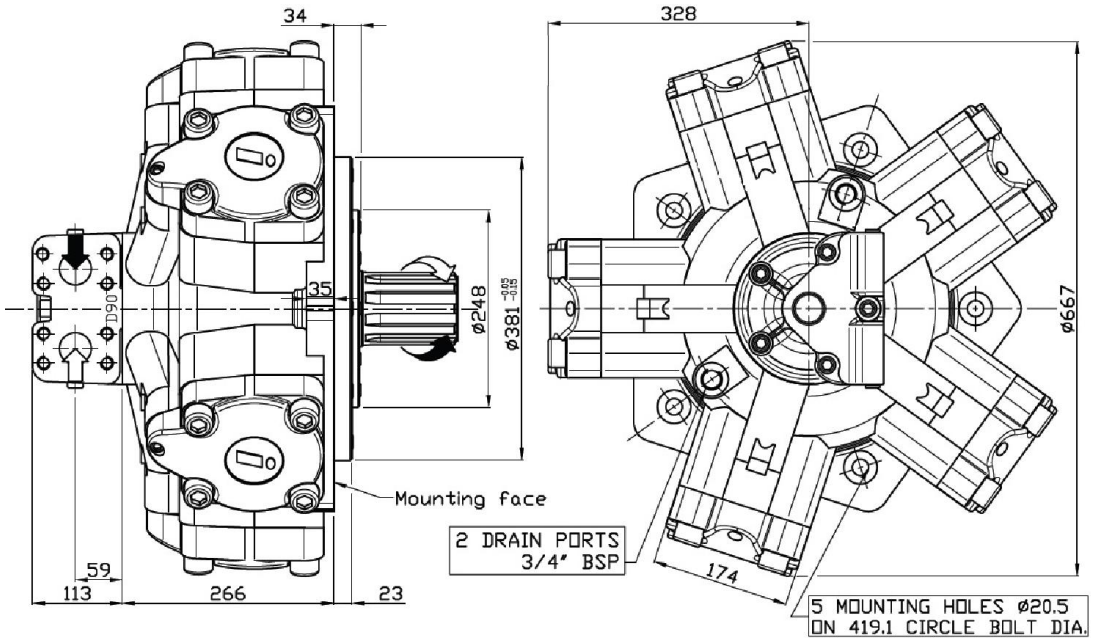
IAM H6

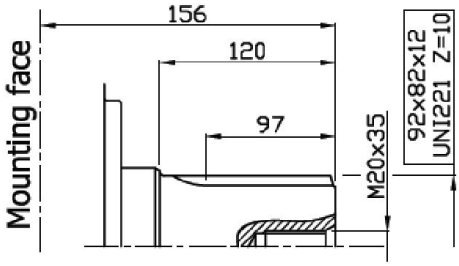
Dimensional drawings

IAM H6 2200 – 2500 – 2800 – 3000 – 3200 – 3500

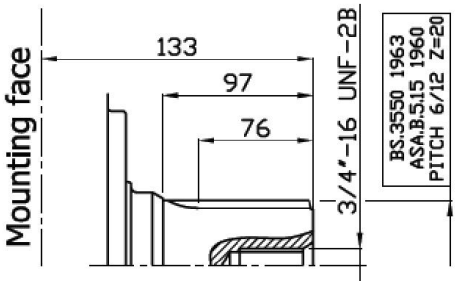


SHAFTS

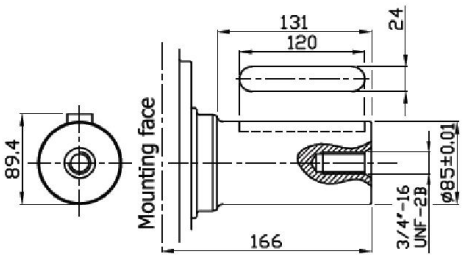
A0: Standard splined shaft



A1: Splined shaft on request



A2: Parallel shaft on request



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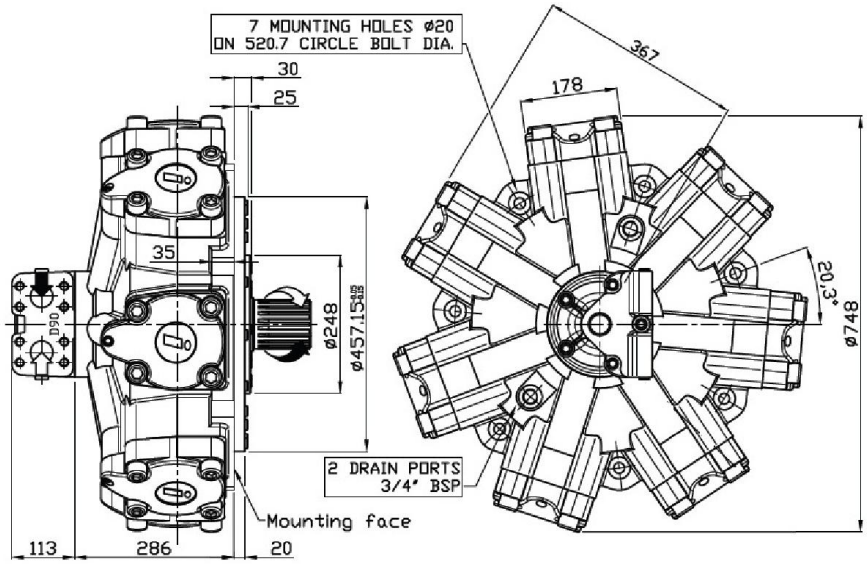
IAM H7

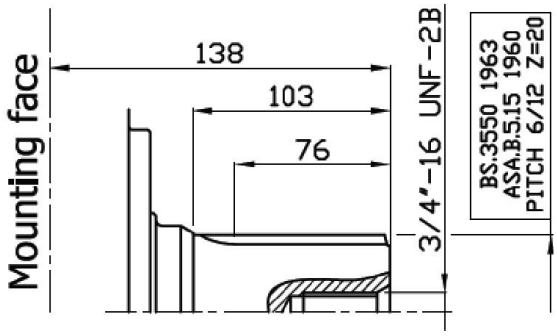
Dimensional drawings

IAM H7 3900 – 4300 – 4600 – 5000 – 5400

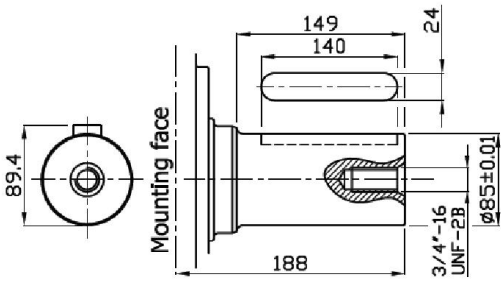


SHAFTS

A1: Standard splined shaft



A2: Parallel shaft on request



A4: Taper shaft on request