

■ BMR TECHNICAL DATA

Type		BMR BMRW BMRS 50	BMR BMRW BMRS 80	BMR BMRW BMRS 100	BMR BMRW BMRS 125	BMR BMRW BMRS 160	BMR BMRW BMRS 200	BMR BMRW BMRS 250	BMR BMRW BMRS 315	BMR BMRW BMRS 400
Displacement.(ml/r)		51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
Max.Pressure. Drop (Mpa)	cont.	14	14	14	14	14	14	11	9	7
	int.	17.5	17.5	17.5	17.5	17.5	17.5	14	11	9
	peak.	20	20	20	20	20	20	16	13	11
Max.torque (Nm)	cont.	93	152	194	237	310	369	380	380	380
	int.	118	189	236	296	378	450	470	470	470
	peak.	135	216	270	338	433	509	540	540	540
Speed.Range(cont.)(r/min)		10-775	10-750	10-600	10-475	10-375	10-300	10-240	10-190	10-160
Max.Flow(cont.)(L/min)		40	60	60	60	60	60	60	60	60
Max.Output.Power(cont.) (Kw)		7	10	10	10	10	8	6	5	4
Weight(Kg)		6.5	6.9	7.0	7.3	7.5	8.0	8.5	9.0	11

Intermittent operation the permissible values may occur for max.10% of every minute,
Peak load:the permissible values may occur for max.1% of every minute.

■ BMRV

Type		BMRV 50	BMRV 80	BMRV 100	BMRV 125	BMRV 160	BMRV 200	BMRV 250	BMRV 315	BMRV 400
Displacement.(ml/r)		51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
Max.Pressure. Drop (Mpa)	cont.	17.5	17.5	17.5	17.5	17.5	17.5	14	12	10
	int.	20	20	20	20	20	19	16	14	12
	peak.	22	22	22	22	22	20	18	15	14
Max.torque (Nm)	cont.	110	189	236	296	378	450	470	485	500
	int.	135	216	270	338	433	486	540	573	614
	peak.	144	225	281	353	450	511	579	614	710
Speed.Range(cont.)(r/min)		10-775	10-750	10-600	10-475	10-375	10-300	10-240	10-190	10-160
Max.Flow(cont.)(L/min)		40	60	60	60	60	60	60	60	60
Max.Output.Power(cont.) (Kw)		8.9	14.8	14.8	14.8	14.8	14	12	9.6	8.4
Weight(Kg)		6.9	7.3	7.4	7.7	7.9	8.4	8.9	9.4	11.4

■ BMR

PERFORMANCE DATA

BMR 50[51.7ml/r] Pressure (Mpa)		Max.cont.							Max.int.	
		5	7	9	10	12	14	16	17.5	
Flow(L/min)	5	34 94	44 85	58 77	65 77	75 72	88 50			
	10	35 188	45 179	61 167	68 163	79 154	94 137	107 119	119 98	
	15	34 285	48 279	62 271	72 263	87 252	100 232	108 213	122 187	
Max.cont.	20	34 379	46 377	60 367	68 363	82 348	95 332	109 304	125 272	
	30	32 578	43 571	59 563	66 556	79 544	94 533	107 502	121 467	
	40	30 782	40 760	57 755	65 752	78 740	91 726	105 702	120 672	
Max.int.	45	29 858	39 855	56 851	64 847	77 837	89 817	104 798	120 772	
	50	25 952	36 942	52 927	59 908	72 882	84 854	98 834	113 803	

BMR 80[80.5ml/r] Pressure (Mpa)		Max.cont.							Max.int.	
		5	7	9	10	12	14	16	17.5	
Flow(L/min)	5	48 61	58 58	84 52	106 46	129 40				
	10	50 122	74 116	96 112	106 108	126 106	145 99	170 60		
	20	54 243	76 239	100 231	109 219	131 206	152 192	174 176	193 152	
Max.cont.	30	50 362	72 358	96 356	104 350	128 349	148 335	172 325	191 300	
	40	45 484	70 480	95 478	104 476	125 470	146 468	171 440	188 438	
	50	41 610	68 608	91 606	101 603	122 600	145 598	168 550	186 520	
Max.int.	60	35 726	65 723	88 720	96 718	120 710	142 700	164 698	182 680	
	70	30 845	58 834	81 820	93 802	114 789	136 767	158 754	175 730	
	75	19 910	48 895	76 881	88 867	108 852	132 830	151 806	168 787	

■ BMR

PORTS CODE

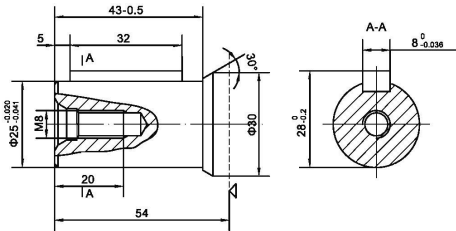
Code	Ports	P(A, B)	C	T
Y		G1/2 (15)	M8 (13)	M14 × 1.5 (12)
Y1		M18 × 1.5 (15)	M8 (13)	M14 × 1.5 (12)
Y2		M22 × 1.5 (15)	M8 (13)	M14 × 1.5 (12)
Y4		ZG3/8 (15)	M8 (13)	M14 × 1.5 (12)
Y5		7/8-14UNF (15)	—	M14 × 1.5 (12)
Y7		ZG1/2 (15)	M8 (13)	M14 × 1.5 (12)
Y8		NPT1/2 (15)	M8 (13)	M14 × 1.5 (12)
Y9		NPTF1/2 (15)	5/16-18UNC (13)	7/16-20UNF (12)
Y10		G1/2 (15)	M8 (13)	G1/4 (12)
Y15		7/8-14UNF (15)	5/16-18UNC (13)	7/16-20UNF (12)

Note: P(A, B)—Ports, C—Mounting Thread (—Indicates no this thread), T—Drain connection

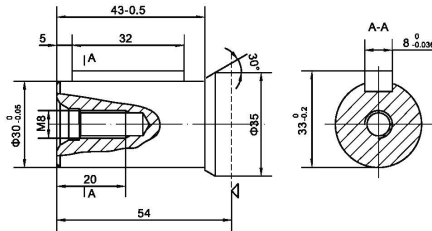
■ BMR

SHAFT VERSION

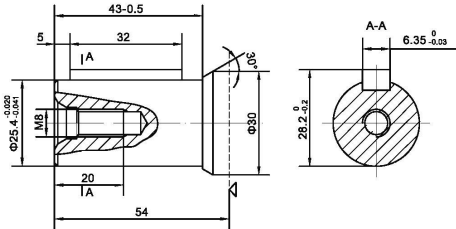
P1: $\Phi 25$ 8 × 7 × 32
 $\Phi 25$ Cylindrical shaft, parallel key 8 × 7 × 32



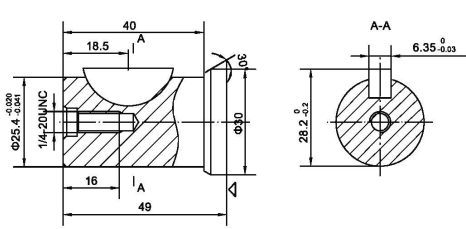
P2: $\Phi 30$ 8 × 7 × 32
 $\Phi 30$ Cylindrical shaft, parallel key 8 × 7 × 32



P3: $\Phi 25.4$ 6.35 × 6.35 × 32
 $\Phi 25.4$ Cylindrical shaft, parallel key 6.35 × 6.35 × 32



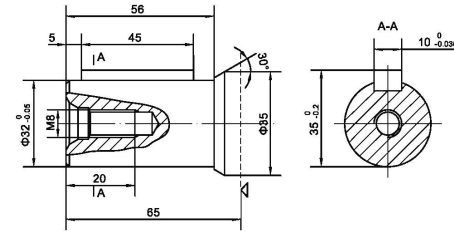
P4: $\Phi 25.4$ $\Phi 25.4 \times 6.35$
 $\Phi 25.4$ Cylindrical shaft, Woodruff key $\Phi 25.4 \times 6.35$



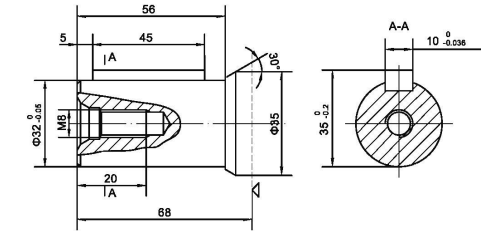
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SHAFT VERSION

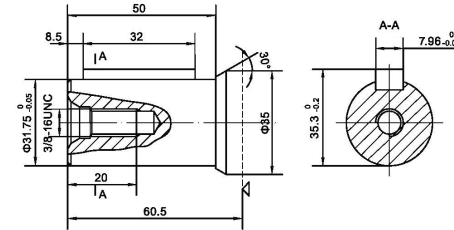
P5: $\Phi 32$ 10 × 8 × 45
 $\Phi 32$ Cylindrical shaft, parallel key 10 × 8 × 45



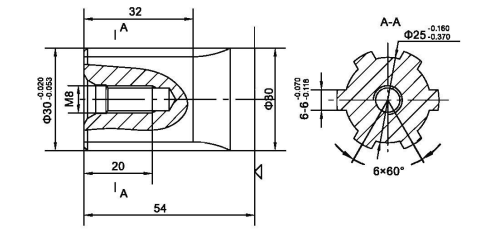
P52: $\Phi 32$ 10 × 8 × 45
 $\Phi 32$ Cylindrical shaft, parallel key 10 × 8 × 45



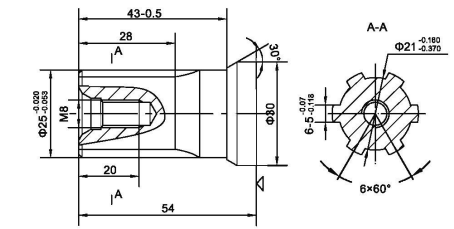
P6: $\Phi 31.75$ 7.96 × 7.96 × 32
 $\Phi 31.75$ Cylindrical shaft, parallel key 7.96 × 7.96 × 32



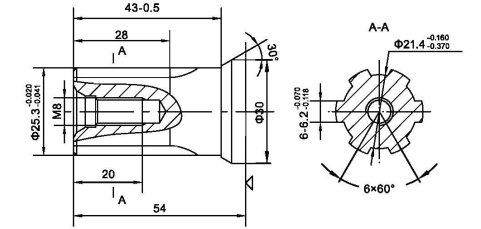
H1: $\Phi 30$ 6-30 × 25 × 6
 $\Phi 30$ Splined shaft, 6-30 × 25 × 6



H2: $\Phi 25$ 6-25 × 21 × 5
 $\Phi 25$ Splined shaft, 6-25 × 21 × 5



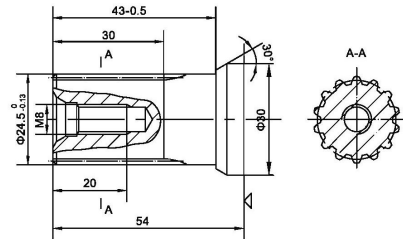
H3: $\Phi 25.3$ 6-25.3 × 21.4 × 6.2
 $\Phi 25.3$ Splined shaft, 6-25.3 × 21.4 × 6.2



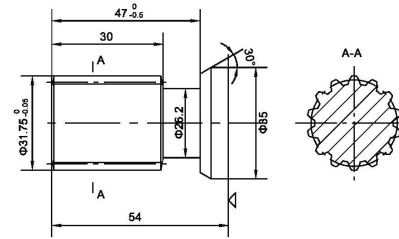
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SHAFT VERSION

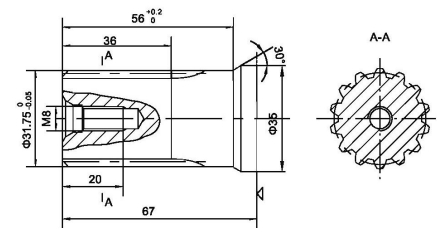
K4: $\Phi 24.5$ B25 x 22 DIN5482 m: 1.6 Z:14
 $\Phi 24.5$ involute splined shaft B25 x 22 DIN5482 m: 1.6 Z:14



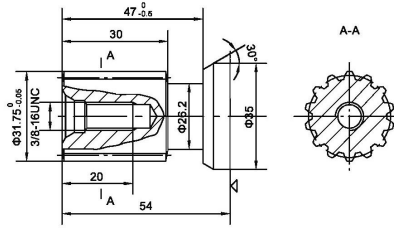
K10: $\Phi 31.75$ 14-DP12/24 $a=30^\circ$
 $\Phi 31.75$ involve splined shaft 14-DP12/24 $a=30^\circ$



K13: $\Phi 31.75$ 14-DP12/24 $a=30^\circ$
 $\Phi 31.75$ involute splined shaft 14-DP12/24 $a=30^\circ$



K14: $\Phi 31.75$ 14-DP12/24 $a=30^\circ$
 $\Phi 31.75$ involute splined shaft 14-DP12/24 $a=30^\circ$



Z1: $\Phi 28.56$ 1:10, $5 \times 5 \times 14$
 $\Phi 28.56$ Tapered shaft, taper 1:10, parallel key $5 \times 5 \times 14$

