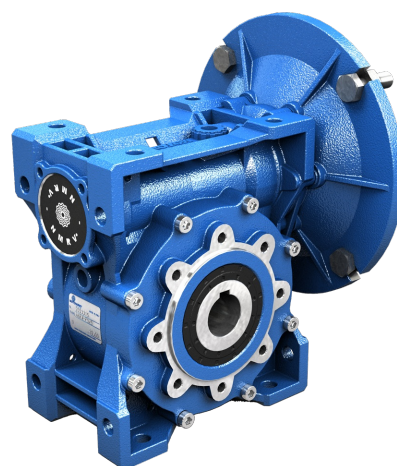


PRODUCT DATASHEET



WORM**GEAR**REDUCER

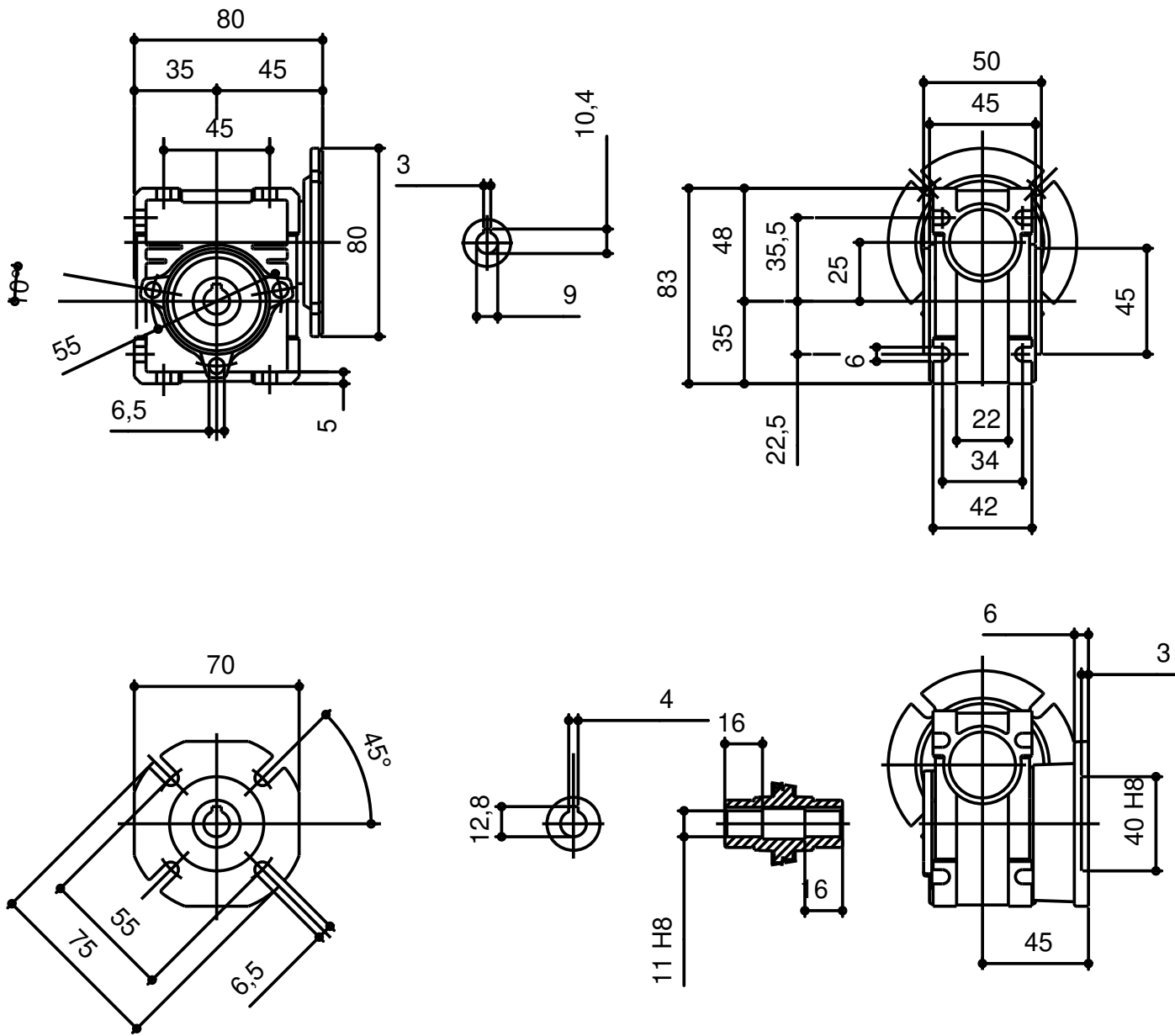
DATE 05.05.2026

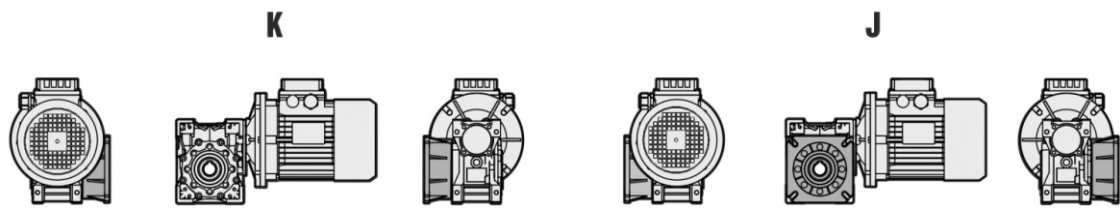
CONFIGURATION

PRODUCT DATASHEET

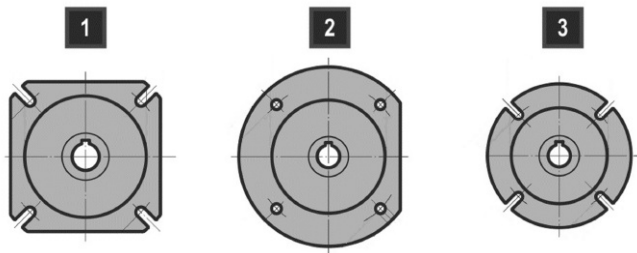
CHARACTERISTIC	VALUE
Regulations	No
Worm	PAM NMRV
Size	025
Ratio (i)	10,0
Input Dim.	Ø80x9 (IEC56 B14)
Hollow Output Shaft Dim.	Ø11
Double-Extended Worm Shaft	No
Mounting Position	U
VI-Output Oil Seal	NBR-Nitrile
VI-Input Oil Seal	ACM-Polyacrylate
VI-Output Bearings	Ball Bearings
VI-Lubrication	Synthetic ISO VG320
Paint	Not Painted

Values expressed in [mm]





Unless specified otherwise, the reduction unit is supplied with the flange in pos. J referred to position B3.



	NMRV - SW	NMRV - SW	NMRV - SW	NMRV-P - SW	NMRV-P - SW	NMRV-P - SW	SW	NMRV-P	NMRV	NMRV
	030	040	050	063	075	090	105	110	130	150
FA	1	1	1	1	1	1	1	1	1	1
FB	-	1	1	1	3	2	1	1	-	-
FC	-	2	2	2	-	3	-	-	-	-
FD	-	2	2	2	-	1	-	-	-	-
FE	-	-	-	3	-	-	-	-	-	-

DRAWINGS

PRODUCT DATASHEET

The values reported in the tables are referred to the weight of the gearbox with lubricant included.
Weight without motor.

NMRV - NMRV-P (- kg)									
025	030	040	050	063	075	090	110	130	150
0,7	1,2	2,3	3,5	6,2	9	13	21	43,5	84

NRV - NRV-P (- kg)									
030	040	050	063	075	090	110	130	150	
1	2	3,3	5,8	8,8	13	21	43,5	77	

	HA31+NMRV040 (- kg)	HA31+NMRV050 (- kg)
063	4,2	5,4
071	4,3	5,5
080	4,5	5,7

056/063/071/080					063/071/080/090				
NMRV-P063/HW030 (- kg)					NMRV-P075/HW030 (- kg)				
7,1					10				

NMRV-P090/HW040 (- kg)					NMRV-P110/HW040 (- kg)				
14,6					24,4				

NMRV- P090/IHW040 (- kg)	NMRV- P110/IHW040 (- kg)
14,6	38,4

NMRV+NMRV - NMRV+NMRV-P - NMRV-P+NMRV - NMRV-P+NMRV-P (- kg)													
025-030	025-040	030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150
1,9	3	3,5	4,7	7,4	5,8	8,5	11,3	15,3	16,5	38,5	41,2	54,2	90,2

NRV+NMRV - NRV+NMRV-P - NRV-P+NMRV - NRV-P+NMRV-P (- kg)												
030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150	
3,5	4,7	7,4	5,8	8,5	11,3	15,3	16,5	38,5	41,2	54,2	90,2	

The values reported in the tables are referred to the weight of the gearbox with lubricant included.
Weight without motor.

SW (- kg)						
030	040	050	063	075	090	105
1,2	2,3	3,5	6,2	9	13	21

ISW (- kg)						
030	040	050	063	075	090	105
1	2	3,3	5,8	8,8	13	21

	HA31+SW040 (- kg)	HA31+SW050 (- kg)	HA31+SW063 (- kg)	HA31+SW075 (- kg)	HA31+SW090 (- kg)
063	4,2	5,4	8,1	10,9	14,9
071	4,3	5,5	8,2	11,0	15,0
080	4,5	5,7	8,4	11,2	15,2

SW+SW (- kg)					
030-040	030-050	030-063	040-075	040-090	050-105
3,5	4,7	7,4	11,3	15,3	38,5

ISW+SW (- kg)					
030-040	030-050	030-063	040-075	040-090	050-105
3,5	4,7	7,4	11,3	15,3	38,5

PERFORMANCES

PRODUCT DATASHEET

ISW030

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	25	10,00	0,17	50,0	210	1060
900	21	10,00	0,24	90,0	197	871
1140	20	10,00	0,29	114,0	197	805
1400	19	10,00	0,34	140,0	169	752
1750	18	10,00	0,40	175,0	169	698
2800	13	10,00	0,44	280,0	140	597

ISW040

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	59	10,00	0,38	50,0	350	2040
900	48	10,00	0,55	90,0	350	1677
1140	46	10,00	0,65	114,0	350	1550
1400	44	10,00	0,76	140,0	344	1447
1750	42	10,00	0,90	175,0	343	1344
2800	29	10,00	0,97	280,0	272	1149

ISW050

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	113	10,00	0,72	50,0	490	2800
900	92	10,00	1,02	90,0	490	2302
1140	86	10,00	1,19	114,0	490	2127
1400	79	10,00	1,33	140,0	490	1987
1750	75	10,00	1,58	175,0	490	1844
2800	54	10,00	1,78	280,0	378	1577

ISW063

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	185	10,00	1,18	50,0	700	3660
900	153	10,00	1,70	90,0	661	3009
1140	143	10,00	1,97	114,0	667	2781
1400	135	10,00	2,28	140,0	595	2597
1750	125	10,00	2,63	175,0	579	2411
2800	99	10,00	3,27	280,0	471	2061

PERFORMANCES

PRODUCT DATASHEET

ISW075

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	270	10,00	1,70	50,0	980	4320
900	230	10,00	2,52	90,0	975	3551
1140	212	10,00	2,92	114,0	968	3282
1400	201	10,00	3,35	140,0	857	3065
1750	187	10,00	3,88	175,0	839	2845
2800	151	10,00	4,93	280,0	729	2433

ISW090

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	479	10,00	2,95	50,0	1270	4780
900	407	10,00	4,41	90,0	1270	3929
1140	374	10,00	5,06	114,0	1270	3632
1400	341	10,00	5,62	140,0	1082	3391
1750	324	10,00	6,65	175,0	1082	3148
2800	235	10,00	7,66	280,0	900	2692

ISW105

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	814	10,00	5,01	50,0	1270	6040
900	651	10,00	6,97	90,0	1270	4965
1140	598	10,00	8,06	114,0	1270	4589
1400	546	10,00	8,99	140,0	1270	4285
1750	518	10,00	10,61	175,0	1270	3978
2800	363	10,00	11,70	280,0	1270	3401

NRV030

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	25	10,00	0,17	50,0	210	1060
900	21	10,00	0,24	90,0	197	871
1140	20	10,00	0,29	114,0	197	805
1400	19	10,00	0,34	140,0	169	752
1750	18	10,00	0,40	175,0	169	698
2800	13	10,00	0,44	280,0	140	597

PERFORMANCES

PRODUCT DATASHEET

NRV040

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	59	10,00	0,38	50,0	350	2040
900	48	10,00	0,55	90,0	350	1677
1140	46	10,00	0,65	114,0	350	1550
1400	44	10,00	0,76	140,0	344	1447
1750	42	10,00	0,90	175,0	343	1344
2800	29	10,00	0,97	280,0	272	1149

NRV050

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	113	10,00	0,72	50,0	490	2800
900	92	10,00	1,02	90,0	490	2302
1140	86	10,00	1,19	114,0	490	2127
1400	79	10,00	1,33	140,0	490	1987
1750	75	10,00	1,58	175,0	490	1844
2800	54	10,00	1,78	280,0	378	1577

NRV-P063

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	185	10,00	1,18	50,0	700	3660
900	153	10,00	1,70	90,0	661	3009
1140	143	10,00	1,97	114,0	667	2781
1400	135	10,00	2,28	140,0	595	2597
1750	125	10,00	2,63	175,0	579	2411
2800	99	10,00	3,27	280,0	471	2061

NRV-P075

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	270	10,00	1,70	50,0	980	4320
900	230	10,00	2,52	90,0	975	3551
1140	212	10,00	2,92	114,0	968	3282
1400	201	10,00	3,35	140,0	857	3065
1750	187	10,00	3,88	175,0	839	2845
2800	151	10,00	4,93	280,0	729	2433

PERFORMANCES

PRODUCT DATASHEET

NRV-P090

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	479	10,00	2,95	50,0	1270	4780
900	407	10,00	4,41	90,0	1270	3929
1140	374	10,00	5,06	114,0	1270	3632
1400	341	10,00	5,62	140,0	1082	3391
1750	324	10,00	6,65	175,0	1082	3148
2800	235	10,00	7,66	280,0	900	2692

NRV-P110

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	851	10,00	5,24	50,0	1700	6040
900	713	10,00	7,64	90,0	1700	4965
1140	656	10,00	8,83	114,0	1700	4589
1400	598	10,00	9,85	140,0	1463	4285
1750	568	10,00	11,64	175,0	1463	3978
2800	437	10,00	14,08	280,0	1194	3401

NRV130

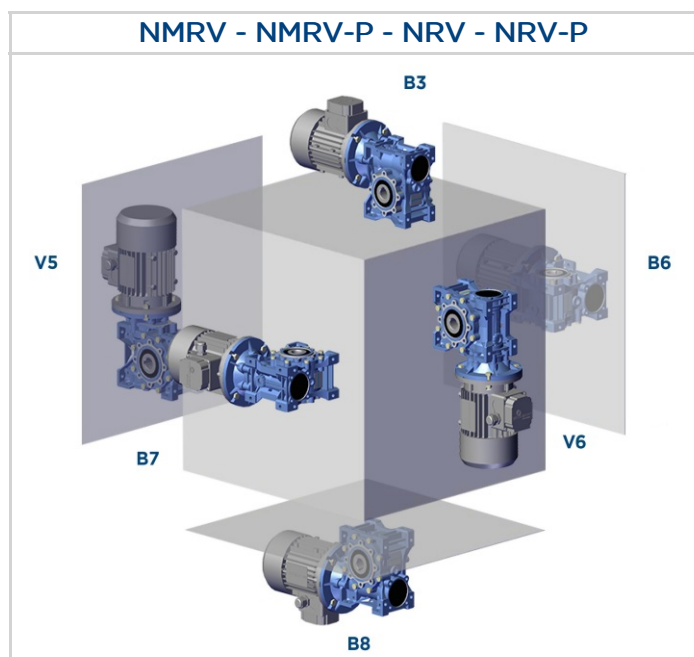
n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	1160	10,00	7,06	50,0	2100	7900
900	960	10,00	10,28	90,0	2100	6494
1140	890	10,00	12,07	114,0	2100	6002
1400	820	10,00	13,51	140,0	1845	5605
1750	779	10,00	16,04	175,0	1845	5203
2800	580	10,00	18,69	280,0	1493	4449

NRV150

n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	1780	10,00	10,71	50,0	2800	10800
900	1480	10,00	15,67	90,0	2700	8878
1140	1480	10,00	19,85	114,0	2700	8206
1400	1240	10,00	20,20	140,0	2267	7663
1750	1178	10,00	23,98	175,0	2267	7113
2800	890	10,00	28,36	280,0	1848	6082

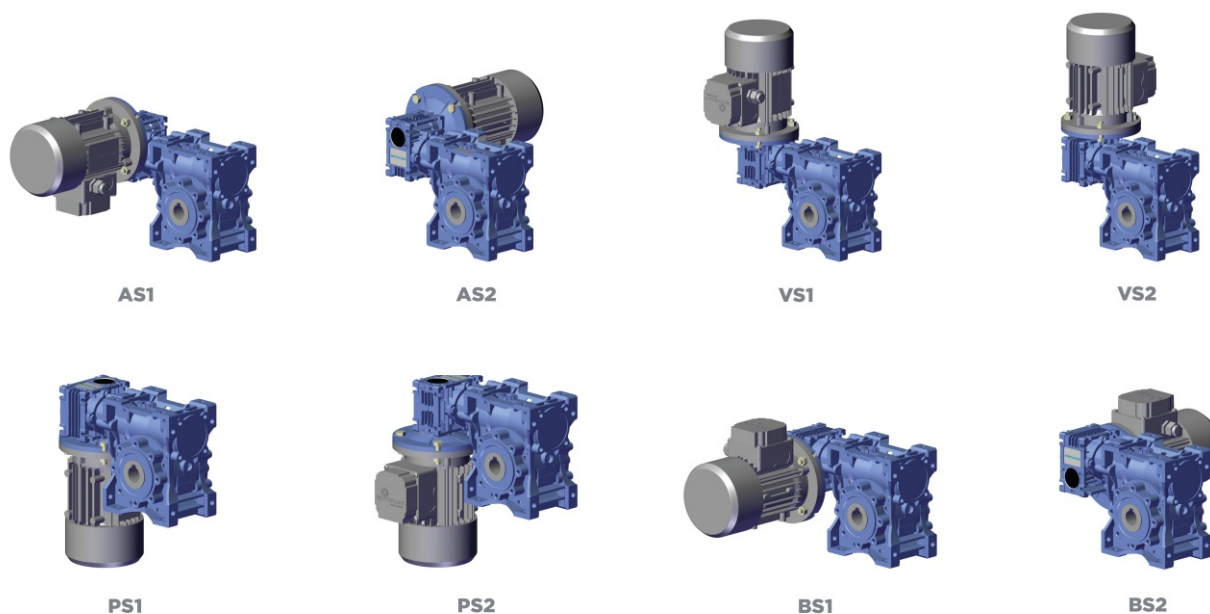
MOUNTING POSITIONS

The mounting position of the gear unit identifies its space orientation. B3 mounting position, as from a technical point of view, ensures lower oil splash, better lubrication and less heating.



Execution

NMRV/NMRV-P+NMRV/NMRV-P - NRV/NRV-P+NMRV/NMRV-P



LUBRICANT

PRODUCT DATASHEET

- The gear reducers size 025 - 030 - 040 - 050 - 063 - 075 - 090 - 105 - 110 - 130 - 150 are supplied complete with lubricant for life, synthetic oil, LAND OIL GEAR SINT. They can be mounted in any position envisaged in the catalogue, except for NMRV-P/SW 090 - 110 and NRV-P/ISW 075-090-110 for which you must specify the mounting position.
- For sizes 130 and 150 it is necessary to specify the position, otherwise the gear reducers are supplied with the quantity of oil relating to pos. B3.
- Only reduction units 130 and 150 are fitted with breather, level and oil drainage plugs.
- The pre-stage helical modules are supplied complete with life-long lubricant, synthetic oil, LAND OIL GEAR SINT. Lubrication is separated from that of the worm gear reducers.

It is recommended, after installation, to replace the closed plug used for transportation with the supplied breather plug.

Quantity of oil in litres ~

NMRV	025	030	040	050	130	150
B3	0,02	0,04	0,08	0,15	4,5	7
B8					3,3	5,1
B6-B7					3,5	5,4
V5					4,5	7
V6					3,3	5,1

NMRV-P	063	075	090	110
B3	0,33	0,55	1,15	1,6
B8				
B6-B7				
V5				
V6				

SW	030	040	050	063	075	090	105
B3	0,04	0,08	0,15	0,3	0,55	1	1,6
B8							
B6-B7							
V5							
V6							

HW	HW030		HW040	
	NMRV-P063	NMRV-P075	NMRV-P090	NMRV-P110
B3-B6-B7-B8-V5-V6	0,06	0,09	0,11	0,12

H	A31
B3-B5	0,07

LUBRICANT

PRODUCT DATASHEET

NMRV	063	075	090	105	110
B3	0,3	0,55	1	1,6	3
B8					2,2
B6-B7					2,5
V5					3
V6					2,2

DIRECTION OF ROTATION

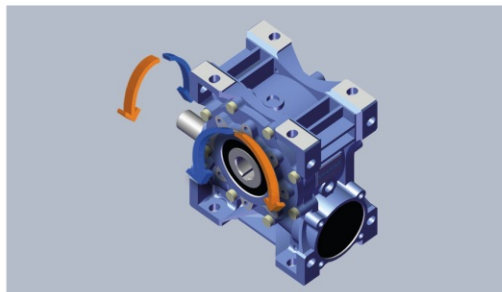
The worm screw rotation is right-handed.

DIRECTION OF ROTATION - HIGH SPEED SHAFT

NMRV - NRV - SW - ISW

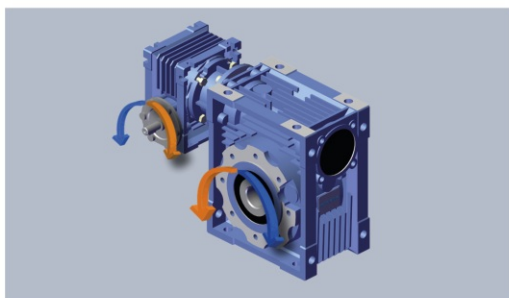


MOUNTING POSITION **B3**

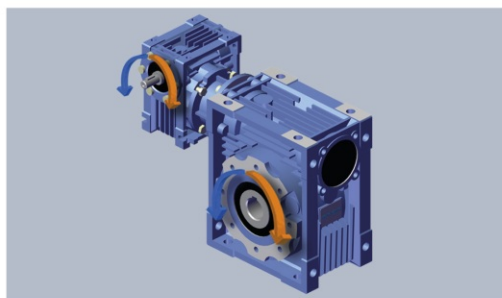


MOUNTING POSITION **B8**

NMRV + NMRV - SW + SW - NRV + NMRV - ISW + SW



MOUNTING POSITION **BS1**



MOUNTING POSITION **AS1**