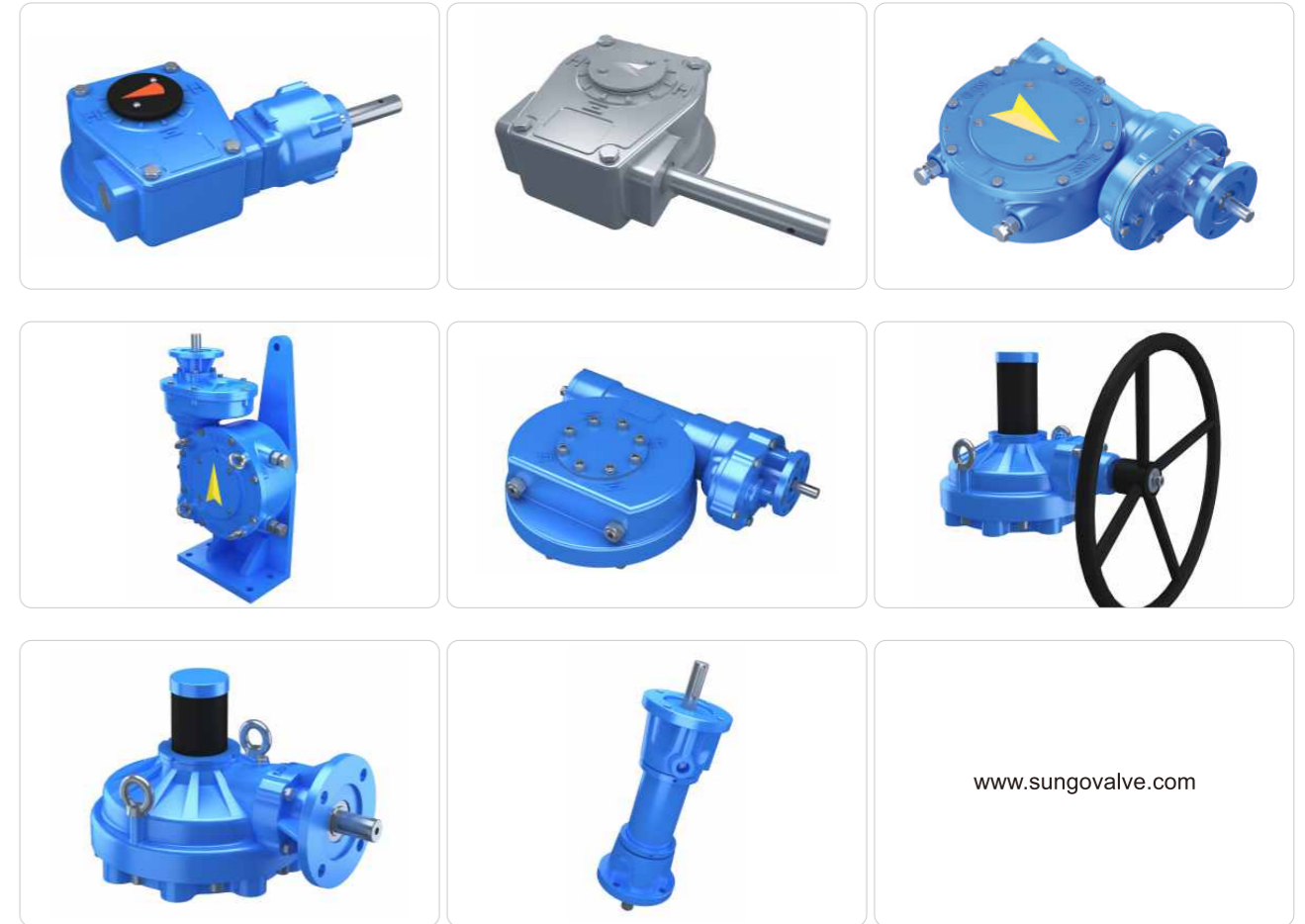



Manufacturer focused on
Integrated Solution Engineered Valve for Over **40** Years.



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VALVE GEARBOX

Company Profile

SUNGO Valves Group Co., Ltd. was founded in 1980. We are an integrated solution provider specializing in engineered valves and controls for more than 40 years, providing a wide range of engineered valves and controls to many customers in dozens of industries. We have R&D department, technology department, production department, quality department, sales department, finance department and other internal departments. Our gearboxes are mainly used with various electric actuators and valves, which are suitable for oil and gas, petrochemical, electric power, chemical, metallurgy, water treatment and other fields.

SUNGO gearbox has been developed by itself and introduced advanced design concepts which have the characteristics of reasonable and compact product structure, large torque range, high efficiency, long life, good protection performance and reliable operation.

Our Company has obtained ISO9001 international quality management system certification, ISO14001 environmental management system certification, ISO45001 occupational health and safety management system certification and other certificates. Our main production equipment includes more than 120 sets of various machining centers, CNC lathes, test equipment and factory test benches.

Since the establishment of SUNGO, the products have been approved by many well-known companies in China and abroad. With fierce competition in the market, we persist on pursuing high-tech, high-quality products and high efficiency, high-satisfaction rate services to create more value for customers.

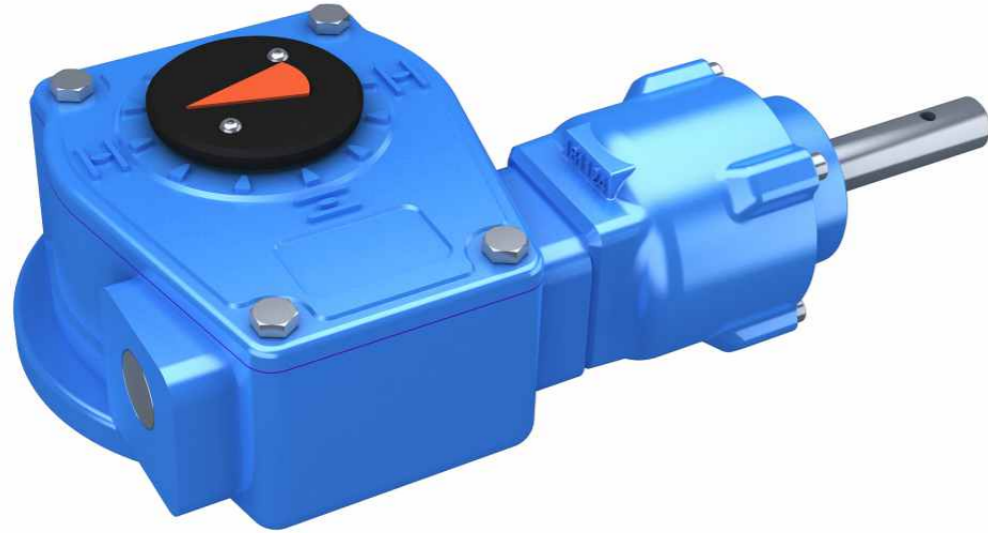


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■ Product Overview



XHW series quarter-turn gearbox, suitable for ball valves, butterfly valves, plug valves and other 90° rotary valves, can also be used in process baffles and power plant dampers.

- Various models, output torque up to 180,000N·m
- Ratio from 34:1 to 5078:1
- Ductile iron housing
- Compact structure
- Adjustable mechanical limit
- Thrust bearings
- Self-locking
- IP67

Options:

Stainless steel input shaft, lockable device, chain wheel, input indication, extension requirement, limit switch connection, indicator material, IP68, high and low temperature requirement, stainless steel housing etc.

Please contact SUNGO for details if needed.

■ Data Sheet

Model	Output Torque	Ratio	Input Torque	Torque Amplification Factor	Output Flange	Max. Stem Dia.	Max. Square Key S	Max. Square Key V	Ref. Hand-wheel Size	Max. Stem Height
	N · m		N · m							
XHW01	160	41	22	7.38	F05/F07	22	16	20	100	45
XHW02	300	42	36	8.40	F05/F07	26	19	24	140	59
XHW02L					F10					
XHW05	500	40	46	10.80	F07/F10	32	23	28	200	65
XHW05L					F12					
XHW07	750	39	71	10.53	F07/F10	36	23	28	300	>32 59
XHW07L					F12					≤32 65
XHW11	1500	38	141	10.64	F12/F14	50	35	40	400	83
XHW11L					F16					
XHW20L	2000	38	175	11.40	F20	55	38	45	600	>53 86 ≤53 94
XHW21	2000	46	155	12.88	F12/F14	60	40	50	500	87
XHW21L					F16					
XHW25	2500	45	198	12.60	F12/F14/F16	55	38	45	600	>53 86 ≤53 94
XHW25L					F20					
XHW31	3000	66	162	18.48	F14/F16	70	50	60	600	100
XHW31L					F25					
XHW35M	3250	55	197	16.50	F20	65	45	50	600	>63 89 ≤63 97
XHW41	4000	86	166	24.08	F14/F16	80	55	65	600	108
XHW41L					F25					

Data Sheet

Model	Output Torque	Ratio	Input Torque	Torque Amplification Factor	Output Flange	Max. Stem Dia.	Max. Square Key S	Max. Square Key V	Ref. Hand-wheel Size	Max. Stem Height
	N · m		N · m							
XHW11-PG2	1500	157	40	37.37	F12/F14	50	35	40	200	83
XHW11L-PG2					F16					
XHW20L-PG2	2000	156	50	39.78	F20	55	38	45	280	>53 86 ≤53 94
XHW21-PG2	2000	190	44	45.22	F12/F14	60	40	50	250	87
XHW21L-PG2					F16					
XHW25-PG2	2500	186	56	44.27	F12/F14 F16	55	38	45	300	>53 86 ≤53 94
XHW25L-PG2					F20					
XHW31-PG2	3000	273	46	64.97	F14/F16	70	50	60	300	100
XHW31L-PG2					F25					
XHW35M-PG2	3250	227	56	57.89	F20	65	45	50	300	>63 89 ≤63 97
XHW41-PG2	4000	355	47	84.49	F14/F16	80	55	65	300	108
XHW41L-PG2					F25					
XHW45-PG2	4500	227	78	57.89	F14/F16	65	45	50	400	>63 92 ≤63 100
XHW45L-PG2					F20/F25					
XHW55-PG4	5500	217	106	52.08	F12 F14 F16 F20 F25	80	56	65	400	>75 106 ≤75 116
XHW55-PG6	7000	312	93	74.88						
XHW55-PG7	11000	383	111	98.81						
XHW55-PG7	11000	383	111	98.81						
XHW75-PG4	9000	259	145	62.16	F16 F20 F25	100	70	80	600	118
XHW75-PG6	11000	372	123	89.28						
XHW75L-PG4	9000	259	145	62.16	F30	100	70	80	600	118
XHW75L-PG6	11000	372	123	89.28						
XHW85-PG6	12500	468	111	112.32	F20 F25 F30	130	95	100	500	119
XHW85-PG61	17000	468	151	112.32						
XHW85L-PG61	17000	468	151	112.32	F35	130	95	100	600	144
XHW87-PG10	26000	729	149	174.96	F25 F30 F35	160	115	125	600	165
XHW90-PG10	32000	870	153	208.80	F25/F30 F35/F40	160	115	125	600	181

Data Sheet

Model	Output Torque	Ratio	Input Torque	Torque Amplification Factor	Output Flange	Max. Stem Dia.	Max. Square Key S	Max. Square Key V	Ref. Hand-wheel Size	Max. Stem Height
	N · m		N · m							
XHW400	40000	1150.14	107	372.65	F25/F30	130	100	100	600	158
XHW400L					F35					173
XHW500	50000	1437.82	107	465.85	F25(FF) F30/F35	160	125	125	600	196
XHW500L					F40					203
XHW630	63000	1437.82	135	465.85	F25(FF) F30/F35	160	125	125	700	196
XHW630L					F40					203
XHW900	90000	2236.08	124	724.49	F30(FF) F35/F40	180	140	140	600	218
XHW900L					F48					218
XHW1250	125000	4357.27	104	1199.99	F35(FF) F40/F48	210	160	160	600	243
XHW1250L					F60					251
XHW1800	180000	5078.40	129	1398.59	F40(FF) F48/F60	250	195	195	700	261

■ Product Overview



XKM series quarter-turn gearbox, suitable for ball valves, butterfly valves, plug valves and other 90° rotary valves, can also be used in process baffles and power plant dampers.

- Various models, output torque up to 128,000N·m
- Ratio from 38: 1 to 4346: 1
- Ductile iron housing
- High sealing design for easy grease injection
- Wear-resistant structure for long service life
- High strength quenched worm
- Wide range of ratio
- Detachable spline drive sleeve
- Easy to disassemble shaft sleeve circlip
- IP67

Options:

IP68, high and low temperature requirement, limit switch connection, input flange, output flange, multi-turn output etc.

Please contact SUNGO for details if needed.

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK0M	38	104	13.5	1400	F10	F10 F12	50	90
XK01M	53	55	18	1000	F10	F10 F12	50	90
	280.78	16	89.8					
	233.76	19	74.8					
	206.89	21	66.2					
	164.67	27	52.7					
	133	33	42.6	1400	F10	F10 F12	50	90
	108.37	40	34.7					
XK0-R01M	85.5	51	27.4					
	69.67	63	22.3					
	42	133	15.8	2100	F10	F10/F12/F14	50	97
	310.33	20	105.5					
	258.36	24	87.8					
	228.67	27	77.7					
	182	34	61.9	2100	F10	F10 F12 F14	50	97
XK1M	147	42	50					
	119.78	52	40.7					
	94.5	65	32.1					
	77	80	26.2					
	50	175	18.3	3200	F10 F14	F14 F16	80	110
	507.64	19	167.5					
	457.69	21	151					
XK1-R01M	401.39	24	132.5					
	359.62	27	118.7					
	292.78	33	96.6	3200	F10 F14	F14 F16	80	110
	241.67	40	79.8					
	201.32	48	66.4					
	154.55	63	51					
	112.73	86	37.2					
XK2M	77.51	125	25.6					

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK3M	52	326	18.7	6100	F10 F14	F16 F20	100	120
	527.94	36	171.6					
	476	39	154.7					
	417.44	45	135.7					
XK3-R23M	374	50	121.6					
	304.49	62	99	6100	F10 F14	F16 F20	100	120
	251.33	75	81.7					
	209.37	90	68					
	160.73	117	52.2					
	117.24	160	38.1					
	80.61	233	26.2					
XK3LM	52	326	18.7	6100	F10 F14	F25	100	120
	527.94	36	171.6					
	476	39	154.7					
	417.44	45	135.7					
XK3L-R23M	374	50	121.6					
	304.49	62	99	6100	F10 F14	F25	100	120
	251.33	75	81.7					
	209.37	90	68					
	160.73	117	52.2					
	117.24	160	38.1					
	80.61	233	26.2					
XK31M	46	483	16.6	8000	F10 F14	F16 F20	100	120
	467.03	53	151.8					
XK31-R23M	421.08	58	136.9	8000	F10 F14	F16 F20	100	120
	369.28	67	120					
	330.85	74	107.5					

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK31-R23M	269.36	91	87.5					
	222.33	111	72.3					
	185.21	133	60.2	8000	F10 F14	F16 F20	100	120
	142.18	173	46.2					
	103.71	237	33.7					
XK31LM	71.31	345	23.2					
	46	483	16.6	8000	F10 F14	F25	100	120
XK31L-R23M	467.03	53	151.8					
	421.08	58	136.9					
	369.28	67	120					
	330.85	74	107.5					
	269.36	91	87.5	8000	F10 F14	F25	100	120
	222.33	111	72.3					
	185.21	133	60.19					
	142.18	173	46.21					
XK4M	103.71	237	33.71					
	71.31	345	23.18					
	55	533	19.5	10400	F14 F16	F16/F20/F25	100	152
	872.73	37	279.3					
	783.33	41	250.7					
	727.27	45	232.7					
	650	50	208					
	584.62	56	187.1					
	528.57	61	169.1					
	480	68	153.6	10400	F10 F14 F16	F16 F20 F25	100	152
XK4-R45M	437.5	74	140					
	366.67	89	117.3					
	336.84	96	107.8					
	270.77	120	86.6					
	222.32	146	71.1					
	169.82	191	54.3					
	112.77	288	36.1					
XK5M	53	865	19.1	16500	F14 F16	F25 F30	120	154
	840.99	60	273.3					
XK5-R45M	754.85	67	245.3	16500	F10 F14 F16	F25 F30	120	154
	700.83	72	227.8					

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK5-R45M	626.36	81	203.6	16500	F10 F14 F16	F25 F30	120	154
	563.36	90	183.1					
	509.35	100	165.5					
	462.55	110	150.3					
	421.59	120	137					
	353.33	144	114.8					
	324.59	156	105.5					
	260.92	195	84.8					
	214.23	237	69.6					
	163.65	310	53.2					
XK51M	108.67	467	35.3	23500	F14 F16	F25 F30	130	158
	920.33	75	312.9					
	826.06	84	280.9					
	766.94	90	260.8					
	685.45	101	233.1					
	616.5	112	209.6					
	557.4	124	189.5					
	506.18	137	172.1					
	461.36	150	156.9					
	386.67	179	131.5					
XK51-R45M	355.22	195	120.8	23500	F10 F14 F16	F25 F30	130	158
	285.54	242	97.1					
	234.44	295	79.7					
	179.09	386	60.9					
	118.92	581	40.4					

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height						
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm						
XK51LM	58	1080	21.8	23500	F14 F16	F35	130	173						
	920.33	75	312.9											
	826.06	84	280.9											
	766.94	90	260.8											
	685.45	101	233.1											
	616.5	112	209.6											
	557.4	124	189.5											
	506.18	137	172.1											
	461.36	150	156.9											
	386.67	179	131.5											
XK51L-R45M	355.22	195	120.8	23500	F10 F14 F16	F35	130	173						
	285.54	242	97.1											
	234.44	295	79.7											
	179.09	386	60.9											
	118.92	581	40.4											
	XK6M	58	1655						21.8	36000	F14 F16 F25	F25(FF) F30/F35	160	196
		348	325						110.9					
		290	389						92.4					
	XK6-G67M	248.57	454						79.2	36000	F10 F14 F16	F25(FF) F30 F35	160	196
		191.4	590						61					
920.33		115	312.9											
XK6-R45M	826.06	128	280.9	36000	F10 F14 F16	F25(FF) F30 F35	160	196						
	766.94	138	260.8											
	685.45	154	233.1											
	616.50	172	209.6											
	557.40	190	189.5											
	506.18	209	172.1											
	461.36	229	156.9											
	386.67	274	131.5											
	1456.59	73	495.2											
	1323.86	80	450.1											
XK6-R67M	1246.76	85	423.9	36000	F10 F14 F16	F25(FF) F30 F35	160	196						
	1120.45	94	381											
	1013.58	104	344.6											

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK6LM	58	1655	21.8	36000	F14 F16 F25	F40	160	196
	348	325	110.9					
XK6L-G67M	290	389	92.4	36000	F10 F14 F16	F40	160	196
	248.57	454	79.2					
	191.4	590	61					
	920.33	115	312.9					
	826.06	128	280.9					
XK6L-R45M	766.94	138	260.8	36000	F10 F14 F16	F40	160	196
	685.45	154	233.1					
	616.50	172	209.6					
	557.40	190	189.5					
	506.18	209	172.1					
	461.36	229	156.9					
	386.67	274	131.5					
	1456.59	73	495.2					
	1323.86	80	450.1					
	1246.76	85	423.9					
XK6L-R67M	1120.45	94	381	36000	F10 F14 F16	F40	160	196
	1013.58	104	344.6					
XK7M	66	2566	24.8	63500	F14 F16 F25	F30(FF) F35 F40	180	218
	396	503	126.2					
XK7-G67M	330	604	105.2	63500	F10 F14 F16	F30(FF) F35 F40	180	218
	282.86	704	90.2					
	217.8	915	69.4					

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK7-R67M	1657.5	113	563.6	63500	F10 F14 F16	F30(FF) F35 F40	180	218
	1506.46	124	512.2					
	1418.73	132	482.4					
	1275	146	433.5					
	1153.38	162	392.2					
	1049.14	178	356.7					
	958.8	195	326					
	879.75	212	299.1					
	810	231	275.4					
	729.69	256	248.1					
	655.77	285	223					
	593.22	315	201.7					
XK7LM	539.6	346	183.5	63500	F14 F16 F25	F48	180	218
	452.48	413	153.8					
	384.72	485	130.8					
	307.27	608	104.5					
	249.19	749	84.7					
XK7L-G67M	191.11	977	65	63500	F10 F14 F16	F48	180	218
	396	503	126.2					
	330	604	105.2					
	282.86	704	90.2					
217.8	915	69.4						

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK7L-R67M	1657.5	113	563.6					
	1506.46	124	512.2					
	1418.73	132	482.4					
	1275	146	433.5					
	1153.38	162	392.2					
	1049.14	178	356.7					
	958.8	195	326					
	879.75	212	299.1					
	810	231	275.4					
	729.69	256	248.1	63500	F10 F14 F16	F48	180	218
	655.77	285	223					
	593.22	315	201.7					
	539.6	346	183.5					
	452.48	413	153.8					
	384.72	485	130.8					
	307.27	608	104.5					
249.19	749	84.7						
191.11	977	65						
XK71-G718M	384	729	120.8					
	320	874	100.6	88000	F14 F16 F25	F35(FF) F40 F48	210	243
	273.92	1021	86.1					
	211.2	1325	66.4					
XK71-G-R45M	3351.27	93	948.6					
	3008	103	851.4					
	2792.73	111	790.5					
	2496	125	706.5					
	2244.92	138	635.4					
	2029.71	153	574.5					
	1843.2	169	521.7	88000	F10 F14 F16	F35(FF) F40 F48	210	243
	1680	185	475.5					
	1408	221	398.5					
	1293.47	240	366.1					
	1039.75	299	294.3					
	853.69	364	241.6					
652.13	477	184.6						
433.03	718	122.6						

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK71L-G718M	384	729	120.8					
	320	874	100.6					
	273.92	1021	86.1	88000	F14 F16 F25	F60	210	243
	211.2	1325	66.4					
XK71L-G-R45M	3351.27	93	948.6					
	3008	103	851.4					
	2792.73	111	790.5					
	2496	125	706.5					
	2244.92	138	635.4					
	2029.71	153	574.5					
	1843.2	169	521.7	88000	F10 F14 F16	F60	210	243
	1680	185	475.5					
	1408	221	398.5					
	1293.47	240	366.1					
	1039.75	299	294.3					
	853.69	364	241.6					
652.13	477	184.6						
433.03	718	122.6						

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange	Output Flange	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	ISO5211	mm	mm
XK8-G718M	384	1060	120.8	128000	F14 F16 F25	F40(FF) F48 F60	250	261
	320	1272	100.6					
	273.92	1486	86.1					
	211.2	1927	66.4					
XK8-G-R45M	4346.5	104	1230.3	128000	F10 F14 F16	F40(FF) F48 F60	250	261
	3901.28	116	1104.3					
	3622.08	125	1025.2					
	3237.24	140	916.3					
	2911.6	155	824.1					
	2632.48	172	745.1					
	2390.57	189	676.7					
	2178.91	208	616.7					
	1826.13	248	516.9					
	1677.6	270	474.8					
	1348.53	335	381.7					
	1107.21	408	313.4					
845.79	535	239.4						
561.63	805	159						

■ Product Overview



XWM series quarter-turn gearbox, suitable for ball valves, butterfly valves, plug valves and other 90° rotary valves, can also be used in process baffles and power plant dampers.

- Various models, output torque up to 1,500,000N·m
- Ratio from 45:1 to 13943:1
- Ductile iron housing
- Various transmission ratios
- Solid and compact structure
- Adjustable mechanical limit
- Detachable shaft sleeves
- Tapered roller bearings
- Self-locking
- IP67

Options:
IP68, high and low temperature requirement, limit switch connection, rocker arm etc.

Please contact SUNGO for details if needed.

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5211	JB2920 (Customized)	Standard	Thickened	mm	mm	
XW1M	45	37	13.5	500	F07/F10	N/A	N/A	F07/F10	30	75	
XW3M	58	57	17.4	1000	F10(F14)	N/A	N/A	F10/F12 F14	43	82	
XW4M	68	83	20.4	1700	F10(F14)	2#	N/A	F12/F14 F16	52	99	
XW4-R4M	131	54	31.3	1700	F10 F12 F14	1# 2# 3#	N/A	F12 F14 F16	52	99	
	213	33	51.1								
	279	25	67.1								
	348	20	83.6								
	413	17	99.1								
XW5M	67	199	20.1	4000	F10 F14 F16	2# 3#	N/A	F14 F16 F25	76	124	
XW5-R4M	129	130	30.9	4000	F10 F12 F14	1# 2# 3#	N/A	F14 F16 F25	76	124	
	210	79	50.3								
	275	61	66.1								
	343	49	82.3								
	407	41	97.6								
XW6M	69	338	20.7	7000	F14 F16	3# 4#	F16 F25	F30	87	137	
XW6-R4M	132	220	31.8	7000	F10 F12 F14	1# 2# 3#	F16 F25	F30	87	137	
	216	135	51.8								
	284	103	68.1								
	353	83	84.8								
	419	70	100.5								
XW7M	60	889	18.0	16000	F14 F16 F25	4# 5#	F25 F30	F35	120	151	

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5211	JB2920 (Customized)	Standard	Thickened	mm	mm	
XW7-R6M	113	588	27.2	16000	F10 F12 F14 F16	2# 3# 4#	F25 F30	F35	120	151	
	181	369	43.3								
	251	265	60.3								
	310	215	74.3								
	359	185	86.3								
	420	159	100.8								
	485	138	116.4								
	566	118	135.8								
	617	108	148.1								
	669	100	160.6								
XW7-R7M	729	91	175.0	16000	F10 F14	2# 3#	F25 F30	F35	120	151	
	796	84	191.0								
	820	81	196.8								
	889	75	213.4								
	968	69	232.3								
	1025	65	246.0								
	1107	60	265.7								
	1202	55	288.5								
	1339	50	321.4								
	1443	46	346.3								
XW8-R6M	1561	43	374.6	28000	F10 F12 F14 F16	2# 3# 4#	F25 F30	F35 F40	153	194	
	1698	39	407.5								
	113	1029	27.2								
	181	646	43.3								
	251	464	60.3								
	310	377	74.3								
	359	325	86.3								
	420	278	100.8								
	485	241	116.4								
	566	206	135.8								

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5211	JB2920 (Customized)	Standard	Thickened	mm	mm
XW8-R7M	617	189	148.1	28000	F10 F14	2# 3#	F25 F30	F35 F40	153	194
	669	174	160.6							
	729	160	175.0							
	796	147	191.0							
	820	142	196.8							
	889	131	213.4							
	968	121	232.3							
	1025	114	246.0							
	1107	105	265.7							
	1202	97	288.5							
	1339	87	321.4							
	1443	81	346.3							
	1561	75	374.6							
	1698	69	407.5							
	XW9-R6M	113	1470							
181		923	43.3							
251		663	60.3							
310		538	74.3							
359		464	86.3							
420		397	100.8							
485		344	116.4							
566		295	135.8							
XW9-R7M	617	270	148.1	40000	F10 F14	2# 3#	F30	F35 F40 F48	170	203
	669	249	160.6							
	729	229	175.0							
	796	209	191.0							
	820	203	196.8							
	889	187	213.4							
	968	172	232.3							
	1025	163	246.0							
	1107	151	265.7							
	1202	139	288.5							
	1339	124	321.4							
	1443	116	346.3							
	1561	107	374.6							
	1698	98	407.5							

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211	Max. Stem Dia.	Max. Stem Height								
		N · m	± 10%	N · m	ISO5211	JB2920 (Customized)	Standard	Thickened	mm	mm								
XW10-R8M	189	1495	43.5	65000	F14 F16 F25	3# 4# 5#	F35	F40 F48	190	237								
	253	1116	58.2															
	304	931	69.8															
	367	770	84.5															
	419	674	96.5															
	483	585	111.1															
	561	504	129.0															
	612	462	140.8															
	659	429	151.5															
	711	397	163.5															
	771	367	177.3															
	XW10-R9M	841	336								193.4	65000	F10 F14 F16	4# 5#	F35	F40 F48	190	237
		946	299								217.6							
		1032	274								237.4							
		1129	250								259.7							
1218		232	280.1															
1320		214	303.6															
1414		200	325.2															
1547		183	355.8															
1701		166	391.2															
1848		153	425.0															
2002		141	460.5															
2179		130	501.2															
2274		124	523.0															
2459		115	565.6															
2671		106	614.3															
2924	97	672.5																
3155	90	725.7																
3421	83	786.8																

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211	Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	JB2920 (Customized)	Standard	Thickened	mm	mm
XW11-R8M	195	2227	44.9							
	262	1662	60.2							
	314	1386	72.1							
	379	1146	87.2							
	433	1003	99.7							
	499	871	114.8	100000	F14 F16 F25	3# 4# 5#	N/A	F40 F48 F60	220	265
	580	749	133.4							
	632	688	145.4							
	680	639	156.5							
	735	592	169.0							
	797	546	183.2							
	869	500	199.9							
	977	445	224.7							
	1067	407	245.4							
1166	373	268.2								
1259	345	289.6								
1364	319	313.7								
1461	298	336.0								
1598	272	367.5								
XW11-R9M	1757	247	404.1	100000	F10 F14 F16	4# 5#	N/A	F40 F48 F60	220	265
	1910	228	439.3							
	2068	210	475.6							
	2252	193	518.0							
	2350	185	540.5							
	2541	171	584.4							
	2760	158	634.8							
	3022	144	695.1							
	3260	133	749.8							
	3535	123	813.1							

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange			Output Flange ISO5211	Max. Stem Dia.	Max. Stem Height	
		N · m	± 10%	N · m	ISO5210	JB2920 (Customized)	Standard	Thickened	mm	mm	
XW12-R8M	189	3487	41.6								
	253	2603	55.7								
	304	2171	66.8								
	367	1795	80.8								
	419	1572	92.3								
	483	1365	106.3	145000	F14 F16 F25	3# 4# 5#		F35 F40 F48	F60	230	290
	561	1175	123.4								
	612	1077	134.6								
	659	1000	144.9								
	711	927	156.4								
	771	855	169.6								
XW12-R11M	843	782	185.5								
	938	703	206.4								
	1018	647	224.0								
	1167	565	256.7								
	1273	518	280.1								
	1373	480	302.1								
	1592	414	350.2								
	1740	379	382.8								
	1912	345	420.6								
	2077	317	456.9								
	2262	291	497.6	145000	F10 F14 F16	4# 5#		F35 F40 F48	F60	230	290
	2477	266	544.9								
	2671	247	587.6								
	2885	228	634.7								
	3131	211	688.8								
	3274	201	720.3								
	3531	187	776.8								
3827	172	841.9									
4178	158	919.2									
4500	146	990.0									
4871	135	1071.6									

■ Data Sheet

Model	Ratio	Electric Input Torque		Output Torque	Input Flange			Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height	
		N · m	± 10%		N · m	ISO5211	JB2920 (Customized)	Standard	Thickened			mm
XW13-R10M	392	3015	86.2									
	450	2626	99.0									
	543	2176	119.5									
	600	1970	132.0									
	683	1730	150.3									
	759	1557	167.0	260000	F16 F25 F30	N/A	N/A	F48 F60 F72	350	345		
	825	1433	181.5									
	900	1313	198.0									
	986	1199	216.9									
	1062	1113	233.6									
	1200	985	264.0									
	1309	903	288.0									
	XW13-R10-G10M	1569	921	282.4								
		1800	802	324.0								
2171		665	390.8									
2400		602	432.0									
2733		529	491.9									
3035		476	546.3									
3300		438	594.0									
3600		401	648.0									
3943		366	709.7	260000	F10 F12 F14 F16	2# 3# 4#	N/A	F48 F60 F72	350	345		
4246		340	764.3									
4800		301	864.0									
5236		276	942.5									
5520		262	993.6									
6240		231	1123.2									
6807	212	1225.3										
7500	193	1350.0										
8182	177	1472.8										

■ Data Sheet

Model	Ratio	Electric Input Torque		Output Torque	Input Flange			Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height
		N · m	± 10%		N · m	ISO5211	JB2920 (Customized)	Standard	Thickened		
XW14-R12M	795	2995	167.0								
	844	2821	177.2								
	898	2651	188.6								
	957	2488	201.0								
	1020	2334	214.2								
	1092	2180	229.3								
	1170	2035	245.7								
	1256	1896	263.8	500000	F16 F25 F30	N/A	N/A	F60 F80	400	410	
	1353	1760	284.1								
	1462	1629	307.0								
	1585	1502	332.9								
	1726	1379	362.5								
	1890	1260	396.9								
	2079	1145	436.6								
2304	1033	483.8									
2574	925	540.5									
XW14-R12-G10M	3180	874	572.4								
	3378	822	608.0								
	3594	773	646.9								
	3828	726	689.0								
	4083	680	734.9								
	4368	636	786.2								
	4680	594	842.4								
	5025	553	904.5								
	5412	513	974.2								
	5981	464	1076.6								
	6379	435	1148.2	500000	F10 F12 F14 F16	2# 3# 4#	N/A	F60 F80	400	410	
	6825	407	1228.5								
	7312	380	1316.2								
	7851	354	1413.2								
8456	328	1522.1									
9140	304	1645.2									
9909	280	1783.6									
10790	257	1942.2									
11812	235	2126.2									
12998	214	2339.6									
14400	193	2592.0									
16087	173	2895.7									

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange		Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	JB2920 (Customized)	Standard	Thickened	mm	mm
XW15-R12M	946	3019	198.7							
	1014	2818	212.9							
	1089	2624	228.6							
	1173	2437	246.2							
	1268	2254	266.2							
	1374	2079	288.6	600000	F16 F25 F30	N/A	N/A	F60 F80	400	410
	1496	1909	314.2							
	1638	1744	344.0							
	1802	1585	378.5							
	1997	1431	419.3							
	2231	1281	468.5							
	2756	1209	496.1							
	2928	1139	527.0							
	3115	1070	560.7							
3318	1005	597.2								
3539	942	636.9								
3786	881	681.4								
4056	822	730.1								
4355	765	783.9								
4690	711	844.3								
5184	643	933.1								
XW15-R12-G10M	5529	603	995.2	600000	F10 F12 F14 F16	2# 3# 4#	N/A	F60 F80	400	410
	5915	564	1064.7							
	6338	526	1140.8							
	6805	490	1224.8							
	7329	455	1319.2							
	7922	421	1425.9							
	8588	388	1545.9							
	9352	356	1683.3							
	10238	326	1842.8							
	11265	296	2027.8							
	12480	267	2246.4							
13943	239	2509.7								

■ Data Sheet

Model	Ratio	Electric Input Torque	Torque Amplification Factor	Output Torque	Input Flange		Output Flange ISO5211		Max. Stem Dia.	Max. Stem Height
		N · m	± 10%	N · m	ISO5210	JB2920 (Customized)	Standard	Thickened	mm	mm
XW151-R12M	772	3811	196.8							
	827	3557	210.8							
	888	3313	226.4							
	956	3076	243.8							
	1034	2846	263.5							
	1120	2625	285.7	750000	F16 F25 F30	N/A	N/A	F60 F80	400	410
	1220	2411	311.1							
	1336	2202	340.6							
	1470	2001	374.8							
	1628	1806	415.2							
	1819	1617	463.8							
	2247	1538	487.6							
	2387	1448	518.0							
	2540	1361	551.1							
2705	1278	587.0								
2885	1198	626.1								
3087	1120	669.8								
3307	1045	717.7								
3551	973	770.6								
3824	904	829.9								
4227	818	917.2								
XW151-R12-G10M	4508	767	978.3	750000	F10 F12 F14 F16	2# 3# 4#	N/A	F60 F80	400	410
	4823	717	1046.6							
	5168	669	1121.3							
	5548	623	1204.0							
	5976	578	1296.7							
	6459	535	1401.7							
	7003	494	1519.6							
	7625	453	1654.7							
	8348	414	1811.4							
	9186	376	1993.3							
	10176	340	2208.2							
11369	304	2467.0								

■ Product Overview



XBN series multi-turn gearbox, suitable for gate valves, globe valves, sluice gates and other multi-turn valves.

- Various models, output torque up to 80,000N-m
- Ratio from 3:1 to 1132:1
- Fully enclosed gear transmission device
- Grease filled, easy for injection
- Wide range of ratio
- Removable output sleeve
- IP67

Options:

IP68, high and low temperature requirement, two-stage speed reduction, impact structure, dual speed input, dual display, output flange, lockable handwheel, chain wheel input etc.

Please contact SUNGO for details if needed.

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN2	-A1	500	3	195		2.57				
			4	146	120	3.42	F10 F12 F14	2#	41.8(1 5/8")	Φ32 (10x8)
			6	97		5.13				
XBN4	-A1	850	3	329		2.58				
			4	247	180	3.44	F10 F12 F14 F16	2# 3#	48.1(1 7/8")	Φ40 (12x8)
			6	165		5.17				
XBN41	-A1	850	4	247	180	3.44	F14 F16	3# 4#	55(2 1/8")	Φ45 (14x9)
			6	165		5.17				
XBN6	-A1	1700	3	662		2.57				
			4	496	270	3.42	F12 F14 F16 F25	N/A	54(2 1/8")	Φ45 (14x9)
			6	331		5.14				
XBN7	-A1	1700	3	662		2.57				
			4	496	270	3.42	F12 F14 F16 F25	4# 5#	64(2 1/2")	Φ55 (16x10)
			6	331		5.14				
XBN8	-A1	4000	4	1163	460	3.44	(F16 Thickened) F25 F30	N/A	60.32(2 3/8")	Φ55 (16x10)
			6	775		5.16				
XBN9	-A1	4000	4	1163	460	3.44	(F16 Thickened) F25 F30	5# 7#	76.7(3")	Φ70 (20x12)
			6	775		5.16				

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN4-R4	1275	7.68	1275	214	180	5.95	F10 F12 F14 F16	2# 3#	48.1(1 7/8")	Φ40 (12x8)
		12.52		131		9.70				
		16.44		100		12.74				
		20.48		80		15.87				
		24.28		68		18.81				
		28.24		58		21.88				
XBN41-R4	1275	5.76	1275	286	180	4.46	F14 F16	3# 4#	55(2 1/8")	Φ45 (14x9)
		9.39		175		7.28				
		12.33		133		9.55				
		15.36		107		11.90				
		18.21		90		14.11				
		21.18		78		16.41				
XBN6-R4	2550	7.68	2550	426	270	5.98	F12 F14 F16 F25	N/A	54(2 1/8")	Φ45 (14x9)
		12.52		261		9.75				
		16.44		199		12.81				
		20.48		160		15.95				
		24.28		135		18.91				
		28.24		116		22.00				
XBN7-R4	2550	7.68	2550	426	270	5.98	F12 F14 F16 F25	4# 5#	64(2 1/2")	Φ55 (16x10)
		12.52		261		9.75				
		16.44		199		12.81				
		20.48		160		15.95				
		24.28		135		18.91				
		28.24		116		22.00				

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN8-R6	4500	7.56	4500	769	460	5.85	(F16 Thickened) F25 F30	N/A	60.32(2 3/8")	Φ55 (16x10)
		12.04		483		9.32				
		16.76		347		12.97				
		20.68		281		16.01				
		23.96		243		18.55				
		28.04		207		21.70				
XBN9-R6	4500	7.56	4500	769	460	5.85	(F16 Thickened) F25 F30	5# 7#	76.7(3")	Φ70 (20x12)
		12.04		483		9.32				
		16.76		347		12.97				
		20.68		281		16.01				
		23.96		243		18.55				
		28.04		207		21.70				
XBN10-R6	9000	11.34	9000	1035	865	8.70	(F25 Thickened) F30 F35	7#	82.55(3 1/4")	Φ70 (20x12)
		18.06		650		13.85				
		25.14		467		19.28				
		31.02		378		23.79				
		35.94		327		27.56				
		42.06		279		32.25				
48.54	242	37.22								
56.58	207	43.39								

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN11-R6	9000		11.34	1035		8.70				
			18.06	650		13.85				
			25.14	467		19.28				
			31.02	378	865	23.79	(F25 Thickened)	8#	115(4 1/2")	Φ 100 (28x16)
			35.94	327		27.56	F30			
			42.06	279		32.25	F35			
			48.54	242		37.22				
			56.58	207		43.39				
XBN12-R8	14000		25.20	726		19.28				
			33.76	542		25.83				
			40.48	452		30.97				
			48.96	374		37.45				
			55.92	327		42.78				
			64.40	284	1400	49.27	F30	N/A	95.25(3 3/4")	Φ 85 (22x14)
			74.88	244		57.28	F35			
			81.60	224		62.42	F40			
			87.84	208		67.20				
			94.80	193		72.52				
XBN13-R8	14000		102.80	178		78.64				
			25.20	726		19.28				
			33.76	542		25.83				
			40.48	452		30.97				
			48.96	374		37.45				
			55.92	327		42.78				
			64.40	284	1400	49.27	F30	N/A	125(5")	Φ 110 (28x16)
			74.88	244		57.28	F35			
			81.60	224		62.42	F40			
			87.84	208		67.20				

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN132-R8	19000		15.75	1577		12.05				
			21.10	1177		16.14				
			25.30	982		19.35				
			30.60	812		23.41				
			34.95	711		26.74				
			40.25	617	1400	30.79	F30	N/A	125(5")	Φ 110 (28x16)
			46.80	531		35.80	F35			
			51.00	487		39.02	F40			
			54.90	452		42.00				
			59.25	419		45.33				
XBN14	-A1	30000		64.25	387		49.15			
				30.70	1420		21.13			
				36.25	1202		24.96			
				40.73	1070		28.04			
				46.02	947		31.68			
				52.36	832		36.05			
				56.04	778		38.58			
				60.12	725		41.39			
				64.68	674		44.54			
				69.82	624	2500	48.07	F40	N/A	125(5")
	75.64	576		52.08	F48					
	82.29	530		56.65						
	89.96	484		61.94						
	98.91	441		68.10						
	102.86	424		70.82						
	112.45	387		77.42						
	123.64	352		85.12						
	136.86	318		94.23						

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN14-R23	30000	185.52	261	114.96	2500	298.57	F40 F48	N/A	125(5")	Φ 110 (28x16)
		254.34								
		331.31								
		397.71								
		481.83								
		591.82								
		660.57								
		753.23								
		835.43								
		835.43								
XBN15	-A1	30.70	1798	21.13	3200	48.07	F40 F48	N/A	155(6")	Φ 135 (36x20)
		36.25								
		40.73								
		46.02								
		52.36								
		56.04								
		60.12								
		64.68								
		69.82								
		75.64								
		82.29								
		89.96								
		98.91								
		102.86								
		112.45								
123.64										
136.86										

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN15-R23	38000	185.52	331	114.96	3200	298.57	F40 F48	N/A	155(6")	Φ 135 (36x20)
		254.34								
		331.31								
		397.71								
		481.83								
		591.82								
		660.57								
		753.23								
		835.43								
		835.43								
XBN16-X7	40000	60	927	43.17	3200	57.56	F40 F48	Non-standard	155(6")	Φ 135 (36x20)
		80								
		120								
		153.60								
		250.40								
XBN16-X7-R4	40000	328.80	188	212.90	3200	212.90	F40 F48	Non-standard	155(6")	Φ 135 (36x20)
		409.60								
		485.60								
		485.60								
		485.60								
XBN17-X11-R6	52000	138	583	89.21	5600	213	F48	Non-standard	155(6")	Φ 135 (36x20)
		219								
		305								
		377								
		437								
		511								
		590								
		687								
		687								
		687								

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	mm	mm
XBN18-X11-R6	80000		226.80	545		146.85	F60	Non-standard	190(7 1/2")	Φ 170 (40x22)
			361.20	342		233.88				
			502.80	246		325.56				
			620.40	199		401.71				
			718.80	172	7650	465.42				
			841.20	147		544.67				
			970.80	127		628.59				
			1131.60	109		732.71				

■ Product Overview



XBNM series multi-turn gearbox, suitable for gate valves, globe valves, sluice gates and other multi-turn valves.

- Various models, output torque up to 64,000N-m
- Ratio from 3:1 to 1132:1
- Fully enclosed gear transmission device
- Grease filled, easy for injection
- Wide range of ratio
- Removable output sleeve
- IP67

Options:
IP68, high and low temperature requirement, two-stage speed reduction, input flange, output flange etc.

Please contact SUNGO for details if needed.

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN2M	-A1	300	3	117		2.57					
			4	88	95	3.42	F10 F12 F14	2#	F10	41.8(1 5/8")	Φ 32 (10x8)
			6	58		5.13					
XBN4M	-A1	600	3	232		2.58					
			4	174	135	3.44	F10 F12 F14 F16	2# 3#	F10 F14	48.1(1 7/8")	Φ 40 (12x8)
			6	116		5.17					
XBN6M	-A1	1700	3	662		2.57					
			4	496	230	3.42	F12 F14 F16 F25	N/A	F10 F14 F16	54(2 1/8")	Φ 45 (14x9)
			6	331		5.14					
XBN7M	-A1	1700	3	662		2.57					
			4	496	230	3.42	F12 F14 F16 F25	4# 5#	F10 F14 F16	64(2 1/2")	Φ 55 (16x10)
			6	331		5.14					
XBN8M	-A1	2500	4	727		3.44	(F16 Thickened)	N/A	F14 F16 F25	60.32(2 3/8")	Φ 55 (16x10)
		2200	6	426	320	5.16	F25 F30		F14 F16 F25		
XBN9M	-A1	2500	4	727		3.44	(F16 Thickened)	5#	F14 F16 F25	76.7(3")	Φ 70 (20x12)
		2200	6	426	320	5.16	F25 F30	7#	F14 F16 F25		
XBN91M	-A1	3500	4	1017	350	3.44	F25 F30	5# 7#	F14 F16 F25	85(3 3/8")	Φ 75 (20x12)
XBN10M	-A1	5000	4	1467		3.41	(F25 Thickened)	7#	F14 F16 F25	82.55(3 1/4")	Φ 70 (20x12)
		4500	6	880	600	5.11	F30 F35		F14 F16 F25		
XBN11M	-A1	5000	4	1467		3.41	(F25 Thickened)	8#	F14 F16 F25	115(4 1/2")	Φ 100 (28x16)
		4500	6	880	600	5.11	F30 F35		F14 F16 F25		
XBN12M	-A1	8500	6	1667		5.10	F30 F35 F40	N/A	F16 F25	95.25(3 3/4")	Φ 85 (22x14)
		7500	8	1103	1100	6.80			F16 F25		
XBN13M	-A1	8500	6	1667		5.10	F30 F35 F40	N/A	F16 F25	125(5")	Φ 110 (28x16)
		7500	8	1103	1100	6.80			F16 F25		

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN4-R4M	-A1	600	7.68	101		5.95					
			12.52	62		9.70					
			16.44	47	135	12.74	F10 F12 F14 F16	2#	F10 F12 F14	48.1(1 7/8")	Φ 40 (12x8)
			20.48	38		15.87		3#			
			24.28	32		18.81					
XBN41-R4M	-A1	1000	5.76	224		4.46					
			9.39	137		7.28					
			12.33	105	150	9.55	F14 F16	3#	F10 F12 F14	55(2 1/8")	Φ 45 (14x9)
			15.36	84		11.90		4#			
			18.21	71		14.11					
XBN6-R4M	-A1	1700	7.68	284		5.98					
			12.52	174		9.75					
			16.44	133	230	12.81	F12 F14 F16 F25	N/A	F10 F12 F14	54(2 1/8")	Φ 45 (14x9)
			20.48	107		15.95					
			24.28	90		18.91					
XBN7-R4M	-A1	1700	7.68	284		5.98					
			12.52	174		9.75					
			16.44	133	230	12.81	F12 F14 F16 F25	4#	F10 F12 F14	64(2 1/2")	Φ 55 (16x10)
			20.48	107		15.95		5#			
			24.28	90		18.91					
XBN8-R6M	-A1	2500	7.56	427		5.85					
			12.04	268		9.32					
			16.76	193		12.97					
			20.68	156	320	16.01	(F16 Thickened)	N/A	F10 F12 F14 F16	60.32(2 3/8")	Φ 55 (16x10)
			23.96	135		18.55					
XBN8-R6M	-A1	2500	28.04	115		21.70					
			32.36	100		25.05					
			37.72	86		29.20					

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	KN	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN9-R6M	-A1	2500	7.56	427	5.85	320	(F16 Thickened)	5#	F10	76.7(3")	Φ 70 (20x12)
			12.04	268	9.32						
			16.76	193	12.97						
			20.68	156	16.01						
			23.96	135	18.55						
			28.04	115	21.70						
			32.36	100	25.05						
			37.72	86	29.20						
XBN91-R6M	-A1	3500	7.56	598	5.85	350	F25 F30	5#	F10	85(3 3/8")	Φ 75 (20x12)
			12.04	376	9.32						
			16.76	270	12.97						
			20.68	219	16.01						
			23.96	189	18.55						
			28.04	161	21.70						
			32.36	140	25.05						
			37.72	120	29.20						
XBN10-R6M	-A1	4500	11.34	518	8.70	600	(F25 Thickened)	7#	F10	82.55(3 1/4")	Φ 70 (20x12)
			18.06	325	13.85						
			25.14	233	19.28						
			31.02	189	23.79						
			35.94	163	27.56						
			42.06	140	32.25						
			48.54	121	37.22						
			56.58	104	43.39						
XBN11-R6M	-A1	4500	11.34	518	8.70	600	(F25 Thickened)	8#	F10	115(4 1/2")	Φ 100 (28x16)
			18.06	325	13.85						
			25.14	233	19.28						
			31.02	189	23.79						
			35.94	163	27.56						
			42.06	140	32.25						
			48.54	121	37.22						
			56.58	104	43.39						

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	KN	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN111-R6M	-A1	7200	7.56	1242	5.80	720	F30 F35	8#	F10	115(4 1/2")	Φ 100 (28x16)
			12.04	780	9.23						
			16.76	560	12.85						
			20.68	454	15.86						
			23.96	392	18.37						
			28.04	335	21.50						
			32.36	290	24.81						
			37.72	249	28.92						
XBN12-R8M	-A1	7500	17.68	555	13.53	1100	F30 F35 F40	N/A	F14	95.25(3 3/4")	Φ 85 (28x14)
			25.20	389	19.28						
			33.76	290	25.83						
			40.48	242	30.97						
			48.96	200	37.45						
			55.92	175	42.78						
			64.40	152	49.27						
			74.88	131	57.28						
XBN121-R8M	-A1	9000	81.60	120	62.42	1100	F30 F35 F40	N/A	F14	95.25(3 3/4")	Φ 85 (22x14)
			87.84	112	67.20						
			94.80	103	72.52						
			102.80	95	78.64						
			13.26	887	10.14						
			18.90	622	14.46						
			25.32	465	19.37						
			30.36	388	23.23						
36.72	320	28.09									
XBN121-R8M	-A1	9000	41.94	281	32.08	1100	F30 F35 F40	N/A	F14	95.25(3 3/4")	Φ 85 (22x14)
			48.30	244	36.95						
			56.16	209	42.96						
			61.20	192	46.82						
			65.88	179	50.40						
			71.10	165	54.39						
			77.10	153	58.98						

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore	
		N · m		N · m	KN	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm	
XBN13-R8M	-A1	7500		17.68	555	13.53						
				25.20	389	19.28						
				33.76	290	25.83						
				40.48	242	30.97						
				48.96	200	37.45						
				55.92	175	42.78	F30	N/A	F14	125(5")	Φ 110 (28x16)	
				64.40	152	49.27	F35		F16			
				74.88	131	57.28	F40		F25			
				81.60	120	62.42						
				87.84	112	67.20						
				94.80	103	72.52						
				102.80	95	78.64						
13.26	887	10.14										
18.90	622	14.46										
25.32	465	19.37										
30.36	388	23.23										
36.72	320	28.09										
41.94	281	32.08	F30	N/A	F14	125(5")	Φ 110 (28x16)					
48.30	244	36.95	F35		F16							
56.16	209	42.96	F40		F25							
61.20	192	46.82										
65.88	179	50.40										
71.10	165	54.39										
77.10	153	58.98										
11.05	1420	8.45										
15.75	996	12.05										
21.10	743	16.14										
25.30	620	19.35										
30.60	513	23.41										
34.95	449	26.74	F30	N/A	F14	125(5")	Φ 110 (28x16)					
40.25	390	30.79	F35		F16							
46.80	335	35.80	F40		F25							
51.00	308	39.02										
54.90	286	42.00										
59.25	265	45.33										
64.25	244	49.15										

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	KN	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN14M	-A1	17000		8.00	3086	5.51					
				16.00	1543	11.02					
				20.24	1220	13.93					
				26.29	939	18.10					
				30.70	1088	21.13					
				36.25	921	24.96					
				40.73	820	28.04					
				46.02	726	31.68					
				52.36	638	36.05					
				56.04	596	38.58					
				60.12	556	41.39					
				64.68	516	44.54					
69.82	478	48.07	F40	N/A	F10	125(5")	Φ 110 (28x16)				
75.64	442	52.08	F48		F14						
82.29	406	56.65			F16						
89.96	371	61.94									
98.91	338	68.10									
102.86	325	70.82									
112.45	297	77.42									
123.64	270	85.12									
136.86	244	94.23									

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN15M	-A1	17000	26.29	939		18.10					
			20.24	1220	1900	13.93	F40	N/A	F16	155(6")	Φ 130 (32x18)
			16.00	1543		11.02	F48		F25		
			8.00	3086		5.51					
XBN15M	-A1	29000	30.70	1372		21.13					
			36.25	1162		24.96					
			40.73	1034		28.04					
			46.02	915		31.68					
			52.36	804		36.05					
			56.04	752		38.58					
			60.12	701		41.39					
			64.68	651		44.54					
			69.82	603	2500	48.07	F40	N/A	F10	155(6")	Φ 135 (36x20)
			75.64	557		52.08	F48		F14		
			82.29	512		56.65			F16		
			89.96	468		61.94					
			98.91	426		68.10					
			102.86	410		70.82					
112.45	375		77.42								
123.64	341		85.12								
136.86	308		94.23								

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN16M		32000	5.00	7561		4.23					
			10.28	3679	3150	8.70	F40	Non-standard	F25	155(6")	Φ 135 (36x20)
			15.77	2398		13.35	F48		F30		
			20.00	1890		16.93			F35		
XBN16-X7M		32000	60	741		43.17					
			80	556	3150	57.56	F40	Non-standard	F14	155(6")	Φ 135 (36x20)
			120	371		86.33	F48		F16		
XBN16-X7-R4M		32000	153.60	322		99.46					
			250.40	197		162.13					
			328.80	150	3150	212.90	F40	Non-standard	F10	155(6")	Φ 135 (36x20)
			409.60	121		265.21	F48		F12		
XBN17M		42000	485.60	102		314.42					
			12.15	4084	5600	10.28	F48	Non-standard	F35	155(6")	Φ 135 (36x20)
XBN17-X11M		42000	49	1201		34.96					
			73	801	5600	52.45	F48	Non-standard	F14	155(6")	Φ 135 (36x20)
XBN17-X11-R6M		42000	138	471		89.21					
			219	296		142.08					
			305	212		197.78					
			377	172		244.04					
			437	149	5600	282.74	F48	Non-standard	F10	155(6")	Φ 135 (36x20)
			511	127		330.89			F12		
			590	110		381.87			F14		
			687	94		445.12			F16		

■ Data Sheet

Model	Aux. Code	Torque	Ratio	Allowed Input Torque	Output Thrust	Torque Amplification Factor	Output Flange		Input Flange	Max. Stem Dia.	Max. Shaft Bore
		N · m		N · m	K N	± 10%	ISO5210	JB2920 (Customized)	ISO5210	mm	mm
XBN18M			10.28	7357		8.70	F60	Non-standard	F35 F40	190(7 1/2")	Φ 170 (40x22)
		64000	15.77	4795	7650	13.35					
			20.00	3781		16.93					
XBN18-X11M	64000	80		1112		57.56	F60	Non-standard	F14 F16 F25	190(7 1/2")	Φ 170 (40x22)
				7650							
		120	741		86.33						
XBN18-X11-R6M	64000	226.80	436			146.85	F60	Non-standard	F10 F12 F14 F16	190(7 1/2")	Φ 170 (40x22)
		361.20	274			233.88					
		502.80	197			325.56					
		620.40	159			401.71					
		718.80	138			465.42					
		841.20	118			544.67					
		970.80	102			628.59					
		1131.60	87			732.71					

■ Product Overview



SL series linear thrust unit, mainly suitable for control valves, which are used in power, oil and gas, water treatment and general industrial process control.

- Fully enclosed transmission device
- Grease filled for long service life
- Good surface with colored zinc plating
- Bronze alloy nut with high transmission efficiency and wear resistance
- Connection according to ISO5210 standard
- IP67

Options:
IP68, input flange, stroke travel, continuous regulation etc
Please contact SUNGO for details if needed.

■ **Data Sheet**

Model	Torque	Thrust	Continuous Adjustment of Torque	Continuous Adjustment of Thrust	Max. Stroke	Mounting Flange	Thread Pitch	Connection Thread	Conversion Coefficient	
	N · m	KN	N · m	KN	mm	ISO5210	Thread			
SL12	30	10	17.5	6	50	F10	32X5LH	5	M12x1.25	2.96
					100					
					200					
					400					
					500					
SL25	60	20	35.5	12	50	F10	32X5LH	5	M16x1.5	2.96
					100					
					200					
					400					
					500					
SL50	120	37	64	20	63	F10	32X6LH	6	M20x1.5	3.21
					125					
					250					
					400					
					500					
SL70	250	63.5	118	30	80	F14	40X7LH	7	M36x3	3.93
					160					
					320					
					400					
					500					
SL100	500	127	204	52	80	F14	40X7LH	7	M36x3	3.93
					160					
					320					
					400					
					500					