

CATALOG **BSG** SINCE 1987

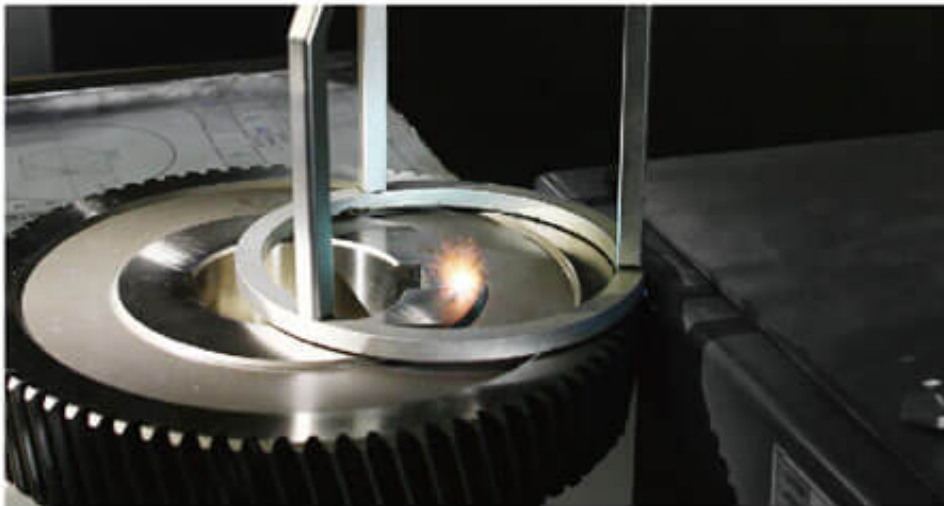


DESIGN INNOVATION

**GEARBOXES FOR COROTATING
TWIN/TRI SCREW EXTRUDERS**

同向雙/三螺桿齒輪箱





COMPANY PRESENTATION

BSG founded in 1987 in pursuit of constant innovation and breakthroughs is committed to gearbox design and fabrication and its application to all sorts of rubber and plastic machines, steel and iron, green field, energy and automatic equipment. Our premium parts, bulk, technology and craft meet the AGMA and DIN standards. We adopt the advanced processing equipment made in Germany and integrate our production lines into one. Upholding the demand-oriented motto, we make equipment with high performance demanded by our clients.

Our products are with the BSG design spirit that blends the look and rigidity for magnificence and taste. The high-quality gearbox is the accomplishment fulfilled by the BSG teamwork committed to details. Each component is secured to meet the standards via the precision gauge instruments to maximize the potency of the product.

BSG upholds the four values of Advanced craft, Innovative design, Quality and services, Exceptional performance. Our team is full of passion and committed constant advancement via learning for ongoing perfection and enrichment of the gearbox. We are dedicated to craft and aesthetics of our gearbox, optimize the performance and experience, and fulfill the demand of our clients for high performance.

公司介紹

BSG 自 1987 年創業以來，不斷追求創新與突破，致力專精於齒輪箱設計、製造、應用於各種橡塑膠機械、鋼鐵、環保、能源及自動化設備。嚴選零件原料與技術工藝皆符合 DIN 德國標準，採用先進德國加工設備，整合一貫化生產製造，堅持以客戶需求導向，滿足客戶對高性能的需求。

充滿 BSG 嶄新品牌設計語彙交融並蓄了外觀及剛性，呈現獨特的氣派與穩重並 在極具質感的外表下，高品質的齒輪箱的源自於百象團隊對細節的專注，零件 經過精密量測儀器嚴格的品質檢驗，確保零件均符合標準，提昇產品能發揮最佳效能。

秉持著「淬煉工藝、設計創新、品質服務、極致性能」四大價值，成為 BSG 的核心精神。我們團隊做到熱情、持續學習精進，不斷地完善和豐富它的內涵。創造齒輪箱成為細心雕琢的美感工藝、演譯極致性能的使用體驗，完成客戶對高性能需求的承諾。

TECHNICAL INFORMATION

Our gears are designed according to the AGMA standards and use helical teeth design in all of our product to reduce noise level. The outer casing of our gearboxes is made of FCD 50, and internal gears are made of SCM440, gear shafts are made of SNCM220. In addition, all of our gearboxes uses Japanese made bearings to ensure product stability and durability.

Finally, please note that we reserve the right to modify or change designs. We constantly update and improve our products to meet our customers' needs and provide the best user experience.

All Gearbox comes standard with internal tubing and external circulation cooling unit, filler cap with breather, filter, pump, oil level gauge, and pressure meter.

The gearbox is required to have a circulation system to provide cooling to the gear oil. The gear oil are to prevent damages to gear teeth and bearings within the gearbox. Filter is require to be cleaned or replace during every oil change service. All gearbox will be shipped without gear oil.

Initial run-in period should be within 300 operation hours. After 300 operation hours, user should perform an oil change service.

1. Fill oil to oil level gauges, then switch on oil pump to clear out the air within the circulation system.
2. Turn off oil pump.
3. Refill gear oil to the oil level gauges.

技術特點

百象機械的齒輪箱是依據 AGMA 的標準進行設計的並採用斜齒輪的設計以利降低噪音。齒輪箱外殼材質皆採用 FCD 50 球墨鑄鐵、內部齒輪材質則為 SCM420、齒輪軸為 SNCM220。我們的齒輪箱全部採用日本製軸承、以確保產品的穩定性及耐用度。

我們公司保有所有變更設計的權利。我們會不斷更新和改進產品以滿足客戶之需求、並提供最好的使用體驗。

所有齒輪箱居配備內部油路及外部循環冷卻系統、填油口帶有透氣閥、過濾器、泵浦、油位鏡、及壓力表。齒輪箱設置冷卻循環系統有利降低齒輪箱及齒輪油溫度作用於延長齒輪壽命且保護軸承。每次保養週期需清潔或更換過濾器。

首次運轉 300 小時需進行首次換油保養

1. 將油注入注油孔至油視鏡水平並開啟泵浦運轉五分鐘。
2. 將循環系統內部空氣排出。
3. 關閉泵浦並補足少缺的油量。

潤滑油	試用室溫	-30°C ~ -10°C	-15°C ~ +10°C	0°C ~ +30°C	+25°C ~ +50°C
	黏度等級	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460
	AGIP	BLASIA 150	BLASIA 220	BLASIA 320	BLASIA 460
	ESSO	SPARTAN EP150	SPARTAN EP 220	SPARTAN EP 320	SPARTAN EP 460
	IP	MELLANA 150	MELLANA 220	MELLANA 320	MELLANA 460
	MOBIL	MOBILGEAR 629	MOBILGEAR 630	MOBILGEAR 632	MOBILGEAR 634
	OMALA 150	OMALA 150	OMALA 220	OMALA 320	OMALA 460

Gearbox for Co-Rotating Twin Screw Extruder

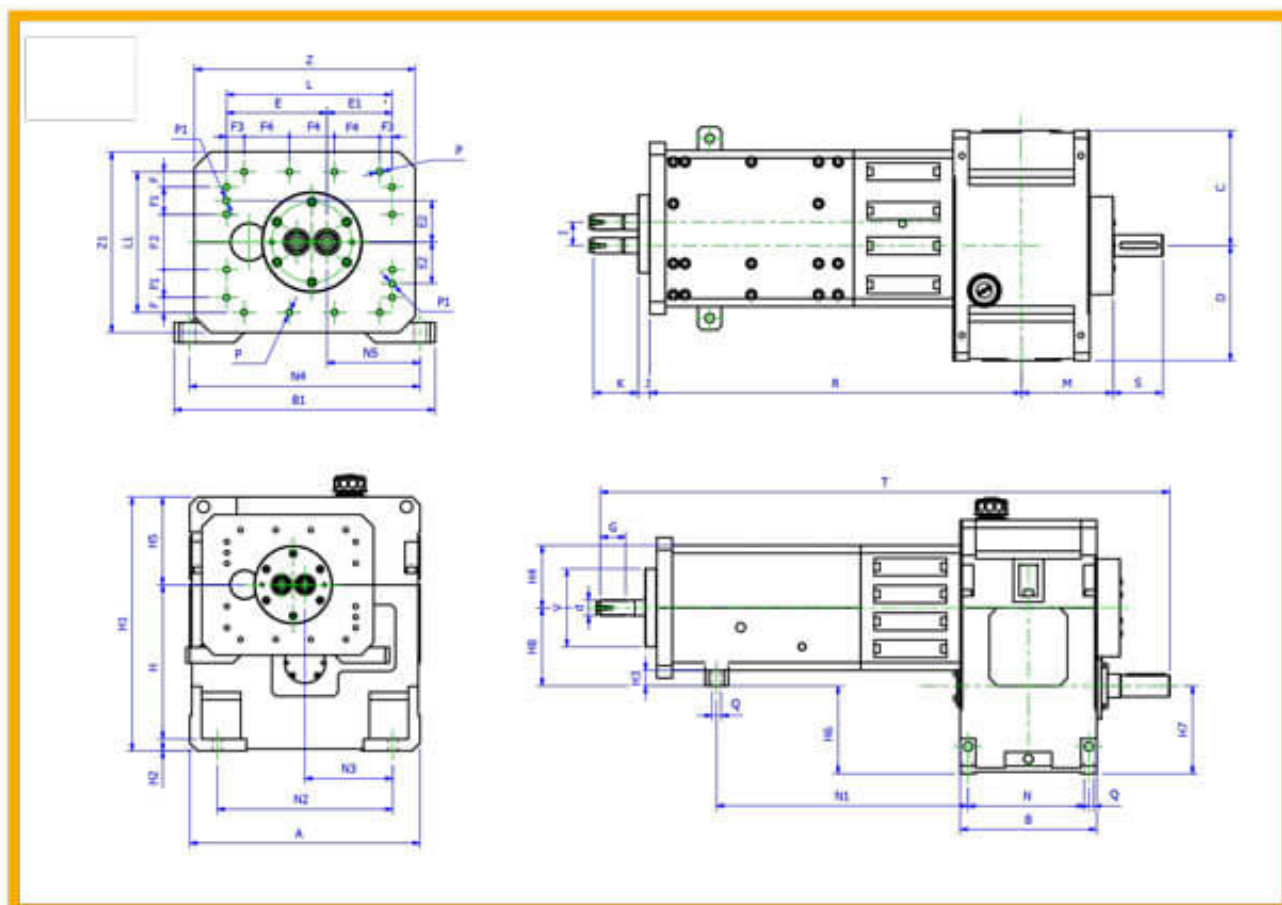
HTV 同向雙螺桿齒輪箱（立式）





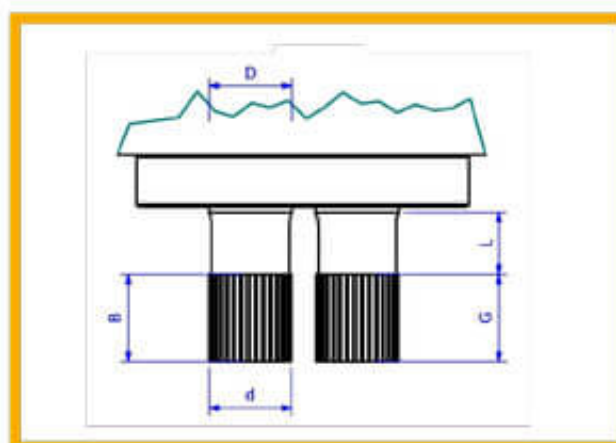
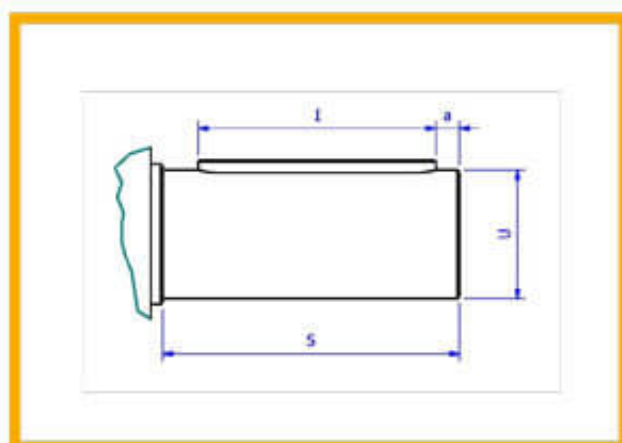
Gearbox for Co-Rotating Twin Screw Extruder

HTV 同向雙螺桿齒輪箱（立式）



Input Shaft
入力軸

Output Shaft
出力軸



Overall Dimensions 外觀尺寸表

Model 型號	U	S	I	Input Shaft Key	SIZE	B	D	G	L
COR-43-HTV	42	90	80	12x8	43/52*	40	30	40	20
COR-48-HTV	45	100	80	14x9	48/58*	34	35	34	21
COR-52-HTV	45	100	80	14x9	52/65*	50	40	50	10
COR-60-HTV	55	125	100	14x9	60/75*	65	40	65	15

Model 型號	A	B	B1	C	D	d (DIN5482)	E	E1	E2	F	F1	F2	F3	F4	G
COR-43-HTV	335	265	285	167.5	167.5	28x26	143	101	60	20	40	80	32	60	45
COR-48-HTV	480	265	380	240	240	31x28	163	115	67.5	24	45	90	41.5	65	39
COR-52-HTV	480	265	400	240	240	40x37	163	115	67.5	17	45	90	41.5	65	58
COR-60-HTV	590	350	520	225	225	40x37	200	130	82.5	30	55	110	35	90	75

Model 型號	H	H1	H2	H3	H4	H5	H6	H7	H8	I	J	K	L	L1	M
COR-43-HTV	265	390	22	34	95	125	136	130	129	43	31	99	244	200	202.5
COR-48-HTV	340	500	19.5	35	125	160	180	180	160	48	28	62	278	228	191.5
COR-52-HTV	340	480	19.5	35	125	160	180	180	160	52	37	127	278	214	191.5
COR-60-HTV	425	650	30	40	160	225	225	225	200	60	30	145	330	280	235

Model 型號	N	N1	N2	N3	N4	N5	P	P1	Q	R	S	T	U	V	Z	Z1
COR-43-HTV	227	451	235	82	230	79.5	M12	Ø10	Ø18	709.5	90	1108	42	140	303	240
COR-48-HTV	224	551	354	177	330	146	M12	Ø10	Ø20	755.5	100	1150.5	45	150	318	250
COR-52-HTV	224	551	354	187	360	156	M14	Ø10	Ø20	755.5	100	1174	45	165	358	290
COR-60-HTV	310	596	450	225	460	185.75	M14	Ø12	Ø24	952	125	1459	55	200	440	360

Model 型號	Weights(KG) 重量	Oil (KG) 油量
COR-43-HTV	330	18
COR-48-HTV	450	20
COR-52-HTV	690	35
COR-60-HTV	820	42

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

Datasheets 數據列表

Model 型號	I Ratio 減速比	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力	Mt(Nm) Each Shaft 單軸扭矩 Fs=1.2	Mt(Nm) Total 總扭矩 Fs=1.2
COR-43-HTV	1.875	1800	960	179	892.5	1785
	2.5	1800	720	136	899	1798
	3	1800	600	113	899	1798
	5	1500	300	57	909	1818
COR-48-HTV	1.875	1800	960	254	1265	2530
	2.5	1800	720	192	1276	2552
	3	1800	600	160	1276	2552
	5	1500	300	82	1305	2610
COR-52-HTV	1.875	1800	960	334	1662.5	3325
	2.5	1800	720	257	1706	3412
	3	1800	600	214	1706	3412
	5	1500	300	109	1727.5	3455
COR-60-HTV	1.875	1800	960	507	2521.5	5043
	2.5	1800	720	380	2521.5	5043
	3	1800	600	322	2564.5	5129
	5	1500	300	163	2590	5180

- Screw diameter as reference only 螺桿直徑僅供參考
- Maximum rated power 最大可負荷馬力
- Weights and oil volume are approximate measures 重量與油量僅為預估值
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- For heavy duty application we recommend $F_s > 1.5$
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- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

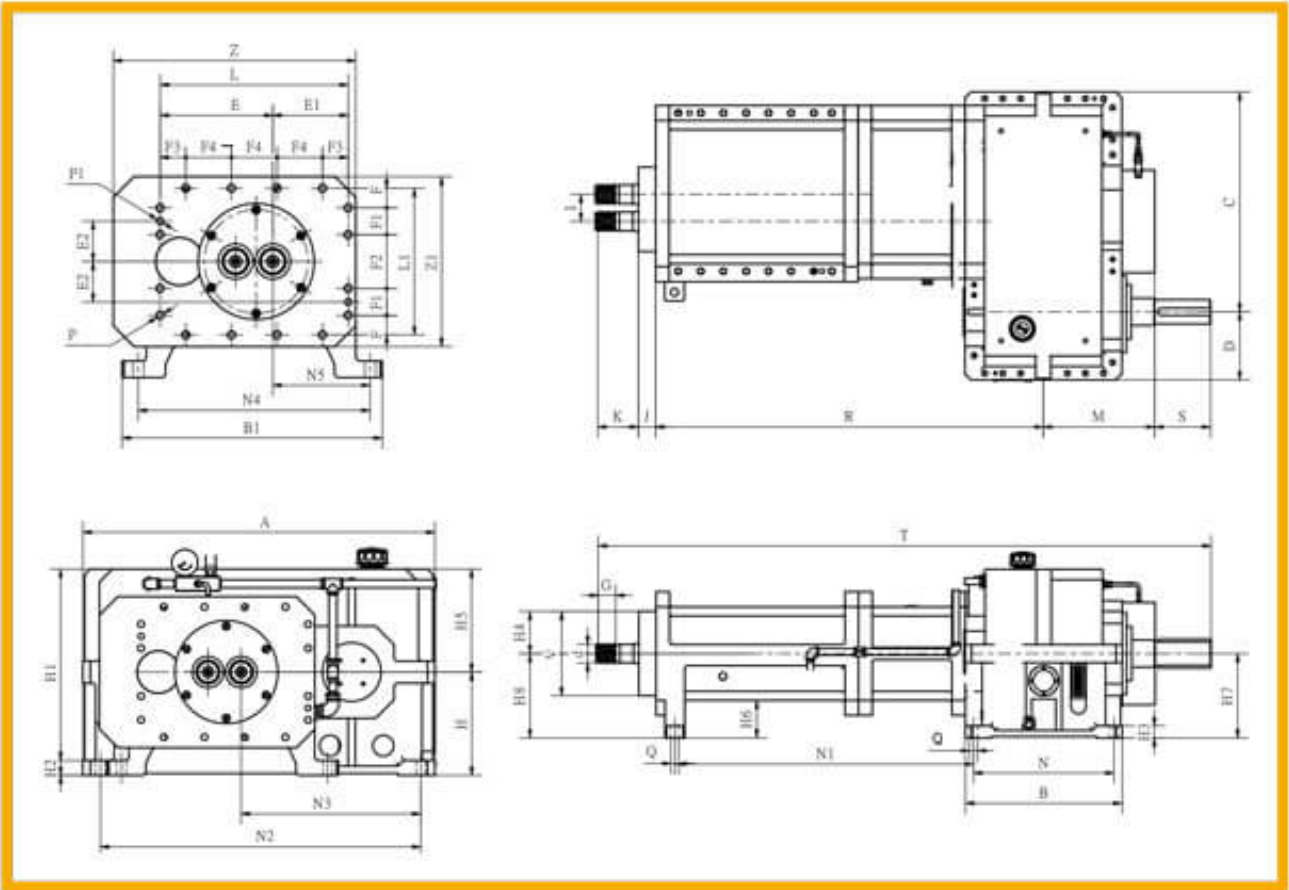
Gearbox for Co-Rotating Twin Screw Extruder

HTH 同向雙螺桿齒輪箱（臥式）



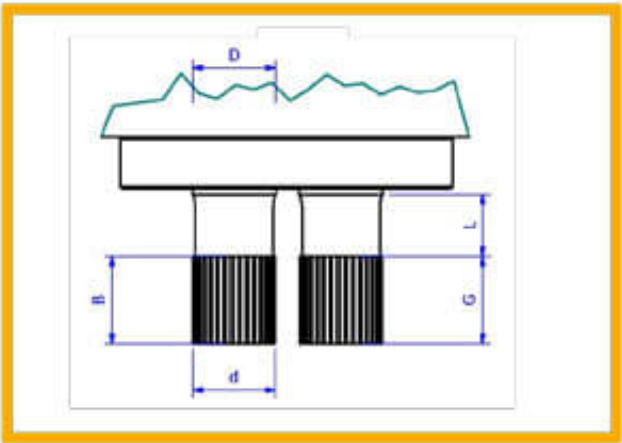
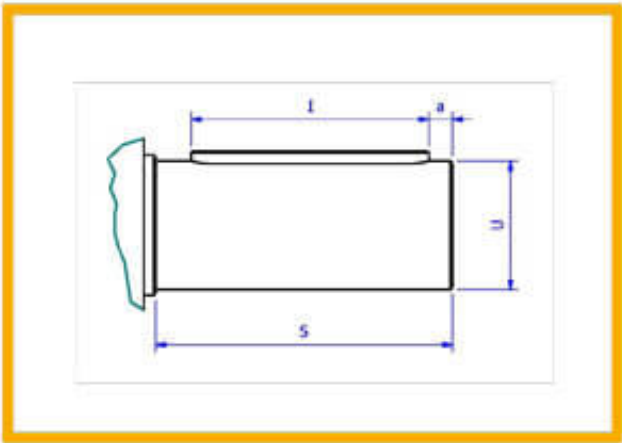


Gearbox for Co-Rotating Twin Screw Extruder **HTH 同向雙螺桿齒輪箱（臥式）**



Input Shaft
入力軸

Output Shaft
出力軸



Overall Dimensions 外觀尺寸表

Model 型號	U	S	I	Input Shaft Key	SIZE	B	D	G	L
COR-64-HTH	55	125	115	16x10	64/77*	52	50	52	28
COR-76-HTH	60	130	120	18x11	76/92*	65	60	60	25
COR-90-HTH	80	185	175	24x16	90/112*	65	65	65	40

Model 型號	A	B	B1	C	D	d (DIN5480)	E	E1	E2	F	F1	F2	F3	F4
COR-64-HTH	760	385	580	580	150	48x44	300	110	90	40	60	120	50	100
COR-76-HTH	810	415	584	620	200	54x50	295	125	97.5	40	65	130	45	110
COR-90-HTH	956	520	628	730	226	62x58	272	182	97.5	47	65	130	62	110

Model 型號	G	H	H1	H2	H3	H4	H5	H6	H7	H8	I	J	K	L	L1
COR-64-HTH	58	225	450	32	32	140	225	85	225	225	64	35	92	410	310
COR-76-HTH	75	250	500	40	40	140	250	110	250	250	76	57	110	420	340
COR-90-HTH	73	280	560	40	40	155	280	125	280	280	90	135	135	454	354

Model 型號	M	N	N1	N2	N3	N4	N5	P	P1	Q	R	S	T	U	V	Z
COR-64-HTH	272.5	305	660	695	375	530	165	M16	Ø12	26	937.5	125	1461	55	210	450
COR-76-HTH	297.5	365	977	750	415	534	182	M20	Ø16	26	1209.5	130	1768.5	60	240	480
COR-90-HTH	368	466	991.5	870	488	560	235	M20	Ø16	26	1287	185	2034	80	280	585

Model 型號	Z1	重量	油量
COR-64-HTH	350	680	50
COR-76-HTH	380	1050	60
COR-90-HTH	410	1830	85

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
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- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1$
- For regular applications we recommend $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 F
- 一般應用建議安全係數為 $F_s > 1$
- 高負荷應用建議安全係數為 $F_s > 1.5$

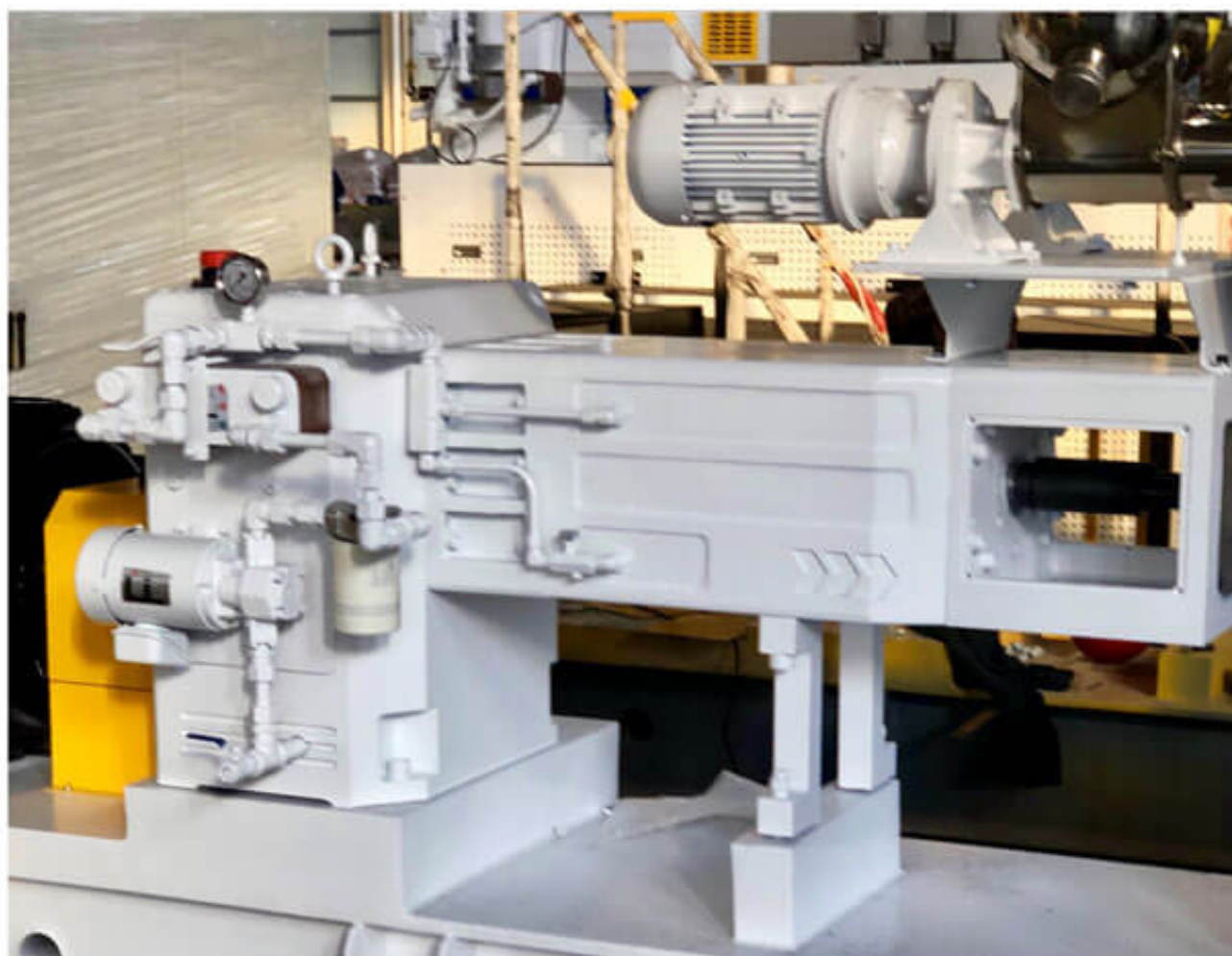
Datasheets 數據列表

Model 型號	IRatio 減速	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力 Fs=1.2	Mt(Nm) 額定扭矩 Total 單軸扭矩 Fs=1.2	Mt(Nm) 額定扭矩 Total 總扭矩 Fs=1.2
COR-64-HTH	2.5	1500	500	375	3002	6004
	3	1500	500	315	3005	6010
	5	1500	300	189	3007	6015
COR-76-HTH	2.5	1500	600	618	4920	9840
	3	1500	500	516	4930	9860
	5	1500	300	312	4965	9930
COR-90-HTH	2.5	1500	600	618	4920	9840
	3	1500	500	516	4930	9860
	5	1500	300	312	4965	9930

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Gearbox for High Torque Co-Rotating Twin Screw Extruder

MHT 高扭同向雙螺桿齒輪箱





Overall Dimensions 外觀尺寸表

Model/ 型號	U	S	I	Input Shaft Key	SIZE	B	D	G	L
COR-34.5-MHT	42	90	80	12x9	34.5/41*	40	25	40	25
COR-52-MHT	50	140	130	14x9	52/65*	50	40	50	24
COR-60-MHT	55	125	100	14x9	60/75*	50	40	50	31
COR-67.8-MHT	55	140	130	16x10	67.8/85*	60	45	60	26.5
COR-78-MHT	60	130	120	18x11	78/95*	64	60	64	21.5
COR-90-MHT	85	160	140	24x14	90/112*	70	70	70	43
COR-100-MHT	95	170	160	28x16	100/120*	90	75	90	48
COR-110-MHT	100	170	160	28x16	110/130*	100	80	100	57

Model/ 型號	A	B	B1	C	D	d (DIN5482)	E	E1	E2	E3	F	F1	F2	F4	F5
COR-34.5-MHT	345	316	260	205	140	24x23	110	75	35	35	30	70	30	32.5	120
COR-52-MHT	505	392	320	302	203	40x37	172	83	20	20	40	100	40	37.5	180
COR-60-MHT	525	410	355	330	190	40x37	200	90	30	30	60	120	60	85	120
COR-67.8-MHT	605	420	420	368	237	45x43	228	127	30	30	30	120	30	47.5	260
COR-78-MHT	600	510	440	380	220	54x49	223	97	50	50	100	120	100	70	90
COR-90-MHT	765	625	530	465	285	62x58	285	135	65	65	45	160	50	80	260
COR-100-MHT	885	732	630	545	340	68x64	335	155	70	70	60	220	60	55	380
COR-110-MHT	935	776	680	580	355	78x70	370	170	70	70	60	260	60	80	380

Model/ 型號	F6	G	H	H1	H2	H3	H4	H5	H6	H7	H8	I	J	K	L	L1
COR-34.5-MHT	32.5	40	305	455	25	35	100	150	205	180	100	34.5	30	80	185	130
COR-52-MHT	37.5	50	425	650	30	40	150	225	275	225	150	52	30	85	255	180
COR-60-MHT	85	50	425	650	30	50	160	225	265	225	160	60	30	115	290	240
COR-67.8-MHT	47.5	60	475	720	30	50	170	245	305	225	170	67.8	30	93	355	180
COR-78-MHT	90	64	490	730	40	50	180	240	310	240	180	78	45	100	320	320
COR-90-MHT	80	70	640	950	40	50	205	310	430	320	210	90	44	132	420	300
COR-100-MHT	55	90	745	1100	50	60	265	355	495	400	250	100	50	177	490	340
COR-110-MHT	80	100	775	1150	50	60	270	375	505	415	270	110	50	189	540	380

- Screw diameter as reference only 螺桿直徑僅供參考
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- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$



Model/ 型號	N	N1	N2	N3	N4	N5	P	PQ	Q	Q1	R	S	T	U	V	Z
COR-34.5-MHT	276	385	230	80	220	250	M12	Ø12	Ø12	Ø16	826	95	1031	42	120	215
COR-52-MHT	317	503	360	128	280	320	M14	Ø16	Ø22	Ø22	1067	140	1327	50	170	285
COR-60-MHT	338	536	370	115	315	355	M16	Ø16	Ø22	Ø24	1110	125	1385	55	200	320
COR-67.8-MHT	348	566	450	157	380	420	M16	Ø16	Ø22	Ø24	1172	140	1440	55	210	385
COR-78-MHT	454	627	422	125	370	440	M16	Ø16	Ø24	Ø26	1330	130	1615	60	240	375
COR-90-MHT	538	731	530	175	460	530	M20	Ø20	Ø30	Ø32	1629	160	1970	85	280	460
COR-100-MHT	620	793	620	200	560	630	M22	Ø20	Ø30	Ø34	1788	170	2195	95	285	550
COR-110-MHT	650	840	670	215	610	680	M22	Ø20	Ø30	Ø34	1888	170	2305	100	310	600

Model/ 型號	Z1	Weight (KG) 重量	Oil (KG) 油量
COR-34.5-MHT	200	270	13
COR-52-MHT	300	750	40
COR-60-MHT	320	1100	55
COR-67.8-MHT	340	1250	70
COR-78-MHT	360	1560	90
COR-90-MHT	410	2200	90
COR-100-MHT	500	2550	115
COR-110-MHT	540	4430	145

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

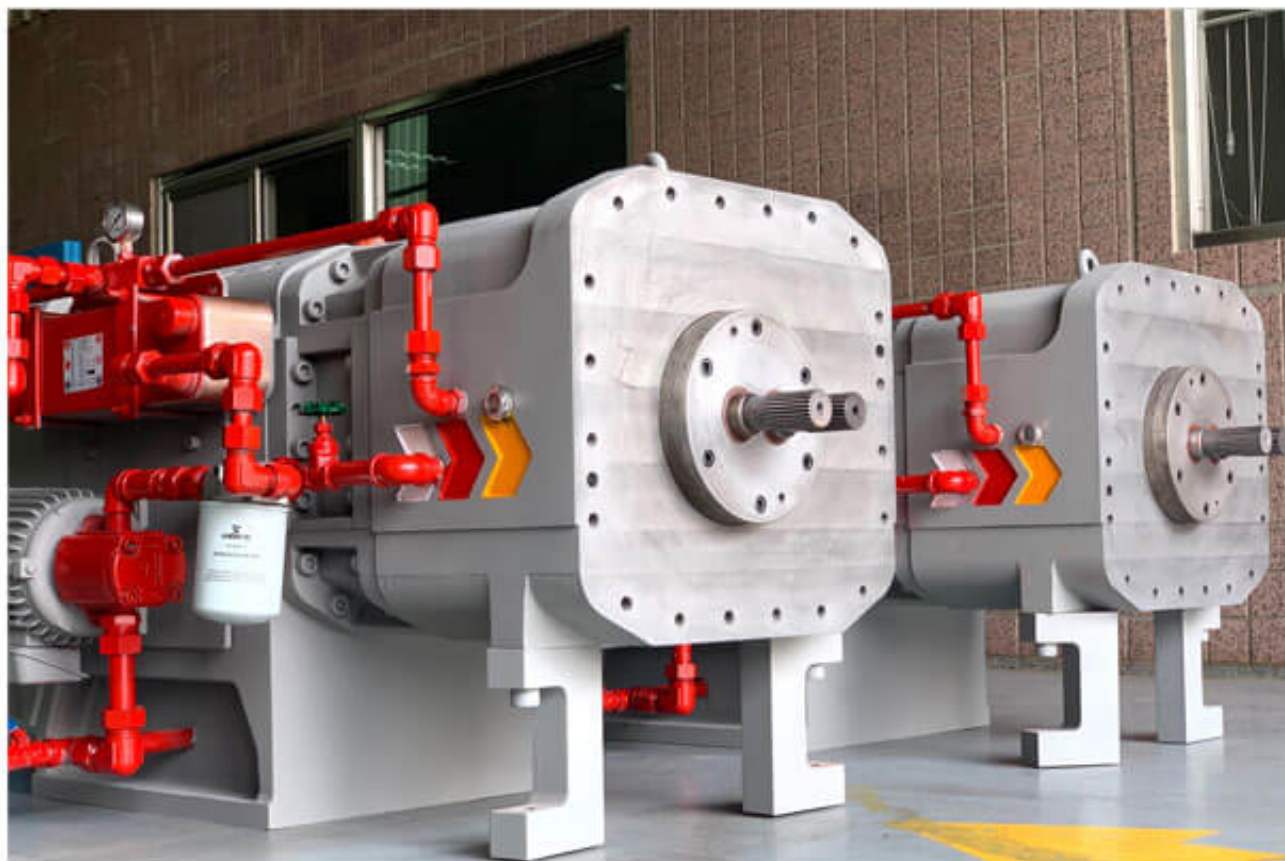
Datasheets 數據列表

Model/ 型號	I Ratio 減速比	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力 Fs=1.2	Mt(Nm) 額定扭矩 Each Shaft 單軸扭矩 Fs=1.2	Mt(Nm) 額定扭矩 Total 總扭矩 Fs=1.2
COR-34.5-MHT	1.875	1800	960	80	398	796
	2.5	1800	720	60	398	796
	3	1800	600	50	398	796
	5	1500	300	25	398	796
COR-52-MHT	1.875	1800	960	345	1716	3432
	2.5	1800	720	261	1731	3462
	3	1800	600	219	1743	3485
	5	1500	300	110	1751	3501
COR-60-MHT	1.875	1800	960	505	2512	5023
	2.5	1800	720	385	2553	5106
	3	1800	600	323	2570	5141
	5	1500	300	163	2594	5188
COR-67.8-MHT	1.875	1800	960	620	3084	6167
	2.5	1800	720	475	3150	6300
	3	1800	600	400	3183	6366
	5	1500	300	205	3263	6525
COR-78-MHT	1.875	1800	960	976	4854	9708
	2.5	1800	720	733	4861	9721
	3	1800	600	620	4934	9867
	5	1500	300	315	5013	10026
COR-90-MHT	1.875	1800	960	1620	8057	16114
	2.5	1800	720	1225	8123	16247
	3	1800	600	1030	8196	16392
	5	1500	300	520	8276	16552
COR-100-MHT	1.875	1800	960	2460	12235	24469
	2.5	1800	720	1850	12268	24536
	3	1800	600	1550	12334	24668
	5	1500	300	780	12414	24827
COR-110-MHT	1.875	1800	960	3650	18153	36306
	2.5	1800	720	2775	18402	36803
	3	1800	600	2320	18461	36923
	5	1500	300	1172	18652	37305

- Screw diameter as reference only 螺桿直徑僅供參考
- Maximum rated power 最大可負荷馬力
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

Gearbox for Super High Torque Co-Rotating Twin Screw Extruder

SHT 超高扭同向雙螺桿齒輪箱



Overall Dimensions 外觀尺寸表

Model/ 型號	U	S	I	Input Shaft Key	SIZE	B	D	G	L
COR-18-SHT	24	56	50	8x7	18	25	12	25	12.5
COR-23-SHT	32	70	60	10x8	23	30	17	30	5
COR-26.2-SHT	32	70	60	10x8	26.2	30	18	30	5
COR-35-SHT	35	80	70	10x8	35	37	25	37	10
COR-43-SHT	40	90	80	12x8	43	50	32	50	10
COR-48-SHT	45	100	80	14x9	48	50	35	50	20
COR-52-SHT	45	100	80	14x9	52	50	40	50	16
COR-60-SHT	60	130	110	18x11	60	63	45	63	20
COR-67.8-SHT	60	130	110	18x11	67.8	60	51	60	25
COR-76-SHT	65	180	160	20x12	76	60	55	60	25
COR-78-SHT	80	180	160	22x14	78	60	55	60	22

Model/ 型號	A	B	B1	C	D	d (DIN5482)	E	E1	E2	E3	F	F1	F2	F3	F4	F5
COR-18-SHT	220	200	210	110	110	11x10	100	100	30	10	13	37	40	40	27	13
COR-23-SHT	280	292	270	140	140	17x14	127	127	55	30	13	44	60	60	44	13
COR-26.2-SHT	280	292	270	140	140	17x14	127	127	55	30	13	44	60	60	44	13
COR-35-SHT	340	297	330	170	170	25x23	155	155	70	15	18	62	75	75	30	10
COR-43-SHT	380	330	370	190	190	29x27	173	173	53.5	21.5	13	75	75	75	45	13
COR-48-SHT	460	425	450	230	230	35x32	210	210	77.5	62.5	22.5	65	70	70	70	65
COR-52-SHT	460	425	450	230	230	40x37	210	210	77.5	62.5	22.5	65	70	70	70	65
COR-60-SHT	540	540	530	270	270	40x37	245	245	90	70	20	85	80	80	80	85
COR-67.8-SHT	540	540	530	270	270	40x37	245	245	90	70	20	85	80	80	80	85
COR-76-SHT	660	590	590	330	330	54x49	305	305	147.5	122.5	22.5	80	90	90	90	90
COR-78-SHT	660	590	590	330	330	54x49	305	305	147.5	122.5	22.5	80	90	90	90	90

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

Model/ 型號	F6	F7	F8	F9	F10	F11	F12	F13	F14
COR-18-SHT	-	-	15	25	40	40	40	25	15
COR-23-SHT	-	-	37	60	60	60	37	-	-
COR-26.2-SHT	-	-	37	60	60	60	37	-	-
COR-35-SHT	-	-	50	70	70	70	50	-	-
COR-43-SHT	-	-	67	63	63	63	63	47	-
COR-48-SHT	22.5	-	35	70	70	70	70	70	35
COR-52-SHT	22.5	-	35	70	70	70	70	70	35
COR-60-SHT	20	-	45	80	80	80	80	80	45
COR-67.8-SHT	20	-	45	80	80	80	80	80	45
COR-76-SHT	80	22.5	65	100	95	90	95	100	65
COR-78-SHT	80	22.5	65	100	95	90	95	100	65

Model/ 型號	G	H	H1	H2	H3	H4	H5	H6	H7	H8	I	J	K	L	L1	N
COR-18-SHT	28	180	280	16	25	90	100	90	100	90	18	12	45	200	170	140
COR-23-SHT	36.5	225	365	19	-	125	140	105	125	120	23	34	50	254	234	200
COR-26.2-SHT	34	225	365	19	-	125	140	105	125	120	26.2	34	54	254	234	200
COR-35-SHT	45	285	445	22	-	145	160	145	160	140	35	40	69	310	270	215
COR-43-SHT	60	320	500	23	30	165	180	170	180	150	43	31	105	346	296	240
COR-48-SHT	59	380	600	25	45	200	220	170	200	210	48	35	89	420	385	305
COR-52-SHT	55	380	600	25	45	200	220	170	200	210	52	34	86	420	385	305
COR-60-SHT	72	460	720	30	50	240	260	220	245	240	60	38	116	490	450	390
COR-67.8-SHT	69	460	720	30	50	240	260	220	245	240	67.8	30	98	490	450	390
COR-76-SHT	74	600	920	45	55	295	320	305	320	295	76	35	145	610	565	440
COR-78-SHT	70	600	920	45	55	295	320	305	320	295	78	46	130	610	565	440

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$



Model/ 型號	N1	N2	N3	N4	N5	P	P1	Q	Q1	R	S	T	U	V	Z	Z1
COR-18-SHT	-	194	97	190	95	M8	Ø8	M12	Ø14	528	60	633	24	95	220	190
COR-23-SHT	-	244	122	-	-	M10	Ø10	-	Ø16	745	70	903	32	160	260	280
COR-26.2-SHT	-	244	122	-	-	M10	Ø10	-	Ø16	745	70	903	32	160	260	280
COR-35-SHT	-	302	151	-	-	M12	Ø12	-	Ø18	848	80	1029	35	170	340	300
COR-43-SHT	377	340	170	-	-	M8	Ø12	M16	Ø18	928	95	1159	40	160	380	330
COR-48-SHT	409	420	210	-	-	M14	Ø12	M18	Ø20	1099	105	1319	45	180	420	430
COR-52-SHT	409	420	210	400	200	M14	Ø12	M18	Ø20	1099	105	1319	45	180	420	430
COR-60-SHT	475	490	245	400	200	M16	Ø16	M20	Ø24	1344	130	1628	60	230	540	500
COR-67.8-SHT	475	490	245	480	240	M16	Ø16	M20	Ø24	1344	130	1628	60	230	540	500
COR-76-SHT	525	600	300	590	295	M24	Ø20	M24	Ø32	1501	180	1861	65	290	660	615
COR-78-SHT	525	600	300	590	295	M24	Ø20	M24	Ø32	1501	180	1861	80	290	660	615

Model/ 型號	Weight (KG) 重量	Oil (KG) 油量
COR-18-SHT	115	4.5
COR-23-SHT	220	12
COR-26.2-SHT	220	12
COR-35-SHT	380	32
COR-43-SHT	540	40
COR-48-SHT	850	50
COR-52-SHT	850	50
COR-60-SHT	1850	130
COR-67.8-SHT	1850	130
COR-76-SHT	3800	210
COR-78-SHT	3800	210

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

Datasheets 數據列表

Model/ 型號	I Ratio 減速比	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力	Mt(Nm) 額定扭矩 Each Shaft 單軸扭矩 Fs=1.2	Mt(Nm) 額定扭矩 Total 單軸扭矩 Fs=1.2
COR-18-SHT	1.875	2400	1280	21	78	157
	2.5	1800	720	12	80	159
	3	1800	600	10	80	159
	5	1500	300	5	80	159
COR-23-SHT	1.875	2400	1280	49	183	366
	2.5	1800	720	28	186	371
	3	1800	600	23	183	366
	5	1500	300	12	191	382
COR-26.2-SHT	1.875	2400	1280	71	265	530
	2.5	1800	720	40	265	531
	3	1800	600	33	263	525
	5	1500	300	17	271	541
COR-35-SHT	1.875	2400	1280	165	615	1231
	2.5	1800	720	93	617	1233
	3	1800	600	78	621	1241
	5	1500	300	40	637	1273
COR-43-SHT	1.875	1800	1280	310	1156	2313
	2.5	1800	720	178	1180	2361
	3	1800	600	149	1186	2371
	5	1500	300	74	1178	2355
COR-48-SHT	1.875	2400	1280	443	1652	3305
	2.5	1800	720	250	1658	3316
	3	1800	600	210	1671	3342
	5	1500	300	106	1687	3374
COR-52-SHT	1.875	2400	1280	548	2044	4088
	2.5	1800	720	309	2049	4098
	3	1800	600	260	2069	4138
	5	1500	300	130	2069	4138

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

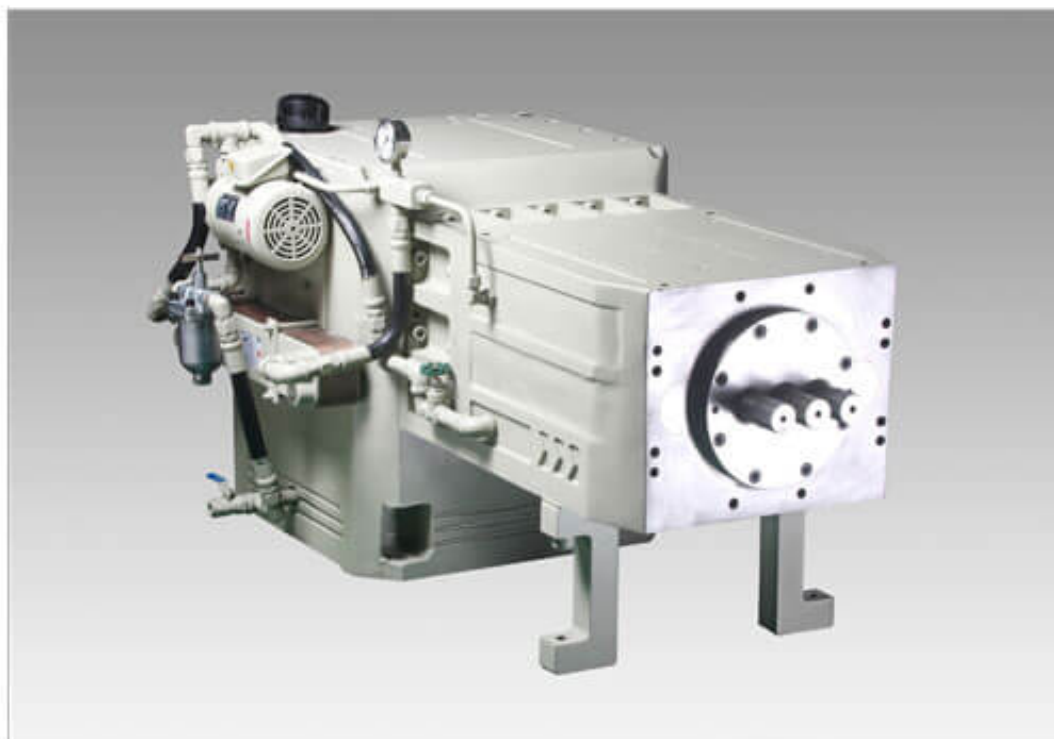


Model/ 型號	I Ratio 減速比	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力	Mt(Nm) 額定扭矩 Each Shaft 單軸扭矩 Fs=1.2	Mt(Nm) 額定扭矩 Total 單軸扭矩 Fs=1.2
COR-60-SHT	1.875	2400	1280	840	3133	6267
	2.5	1800	720	475	3150	6300
	3	1800	600	400	3183	6366
	5	1500	300	201	3199	6398
COR-67.8-SHT	1.875	1800	960	920	4576	9151
	2.5	1800	720	693	4595	9191
	3	1800	600	579	4607	9215
	5	1500	300	290	4615	9231
COR-76-SHT	1.875	2400	1280	1790	6677	13354
	2.5	1800	720	1020	6764	13528
	3	1800	600	854	6796	13591
	5	1500	300	432	6875	13751
COR-78-SHT	1.875	2400	1280	1950	7274	14547
	2.5	1800	720	1108	7347	14695
	3	1800	600	927	7377	14753
	5	1500	300	468	7448	14896

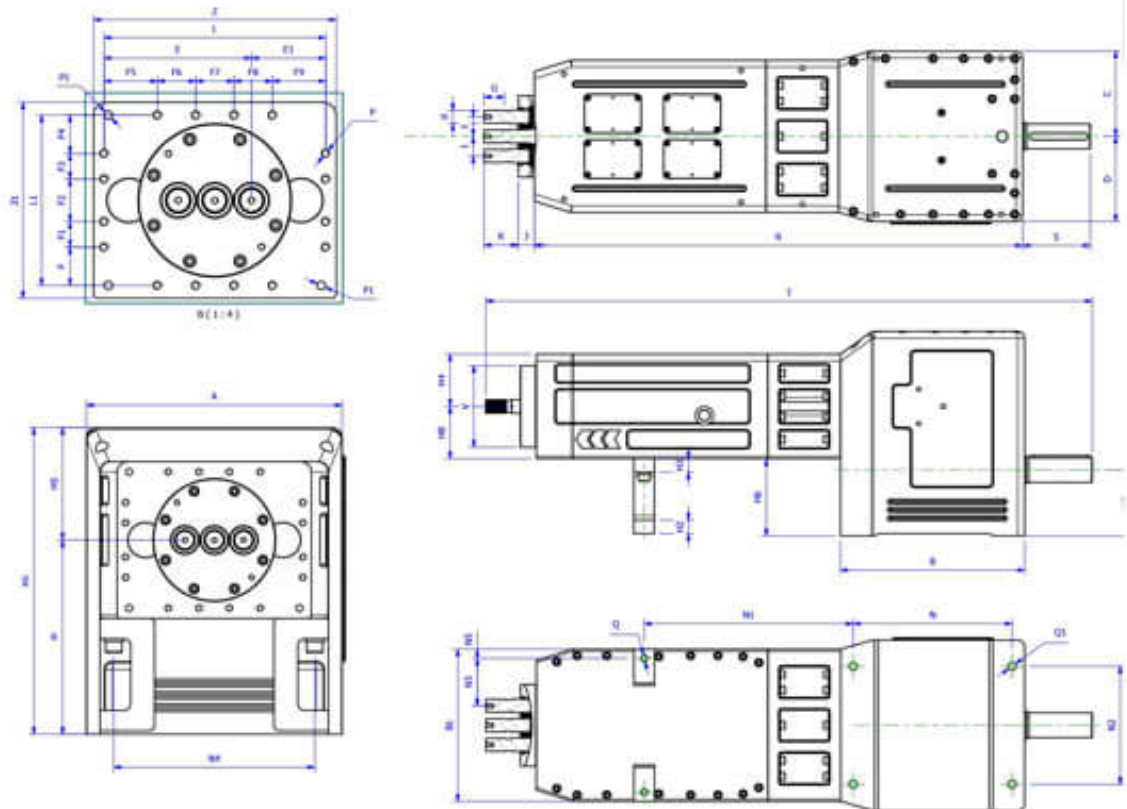
- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on Fs = 1.2 (AGMA)
- For regular applications we recommend selecting Fs > 1.2
- For heavy duty application we recommend Fs > 1.5
- 數據列表所參考的安全規範為 Fs = 1.2 (AGMA)
- 一般應用建議安全係數為 Fs > 1.2
- 高負荷應用建議安全係數為 Fs > 1.5

Gearbox for High Torque Co-Rotating Tri Screw Extruder THT Series

THT 高扭同向三螺桿齒輪箱

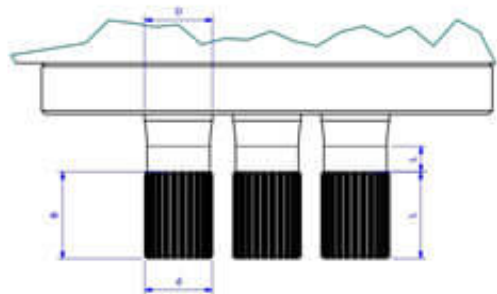
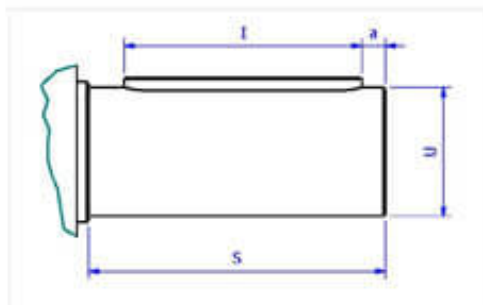


Gearbox for High Torque Co-Rotating Tri Screw Extruder
THT Series
 高扭同向三螺桿齒輪箱



Input Shaft
 入力軸

Output Shaft
 出力軸



Overall Dimensions 外觀尺寸表

Model/ 型號	U	S	I	Input Shaft Key	SIZE	B	D	L
COR-43-THT	55	140	130	16x10	43/52*	45	30	11
COR-52-THT	65	125	105	20x12	52/65*	50	40	30
COR-60-THT	65	125	105	20x12	60/75*	50	45	30

Model/ 型號	A	B	B1	C	D	d (DIN5482)	E	E1	E2	E3	F	F1	F2	F3	F4	F5
COR-43-THT	375	405	335	187.5	187.5	28x26	173	87	100	100	45	30	50	30	45	62.5
COR-52-THT	615	558	500	305	305	40x37	252	148	90	90	95	120	95	-	-	140
COR-60-THT	615	558	500	305	305	40x37	260	140	90	90	95	120	95	-	-	140

Model/ 型號	F6	F7	F8	F9
COR-43-THT	45	45	45	62.5
COR-52-THT	120	140	-	-
COR-60-THT	120	140	-	-

Model/ 型號	G	H	H1	H2	H3	H4	H5	H6	H7	H8	I	J	K	L	L1	N
COR-43-THT	30	285	450	30	30	115	165	170	145	115	43	35	76	260	200	350
COR-52-THT	40	450	695	50	45	180	245	270	225	180	52	30	85	400	310	486
COR-60-THT	45	450	695	50	45	180	245	270	225	180	60	30	85	400	310	486

Model/ 型號	N1	N2	N3	N4	N5	P	P1	Q	Q1	R	S	T	U	V	Z	Z1
COR-43-THT	460	260	104	275	124	M10	Ø10	M16	Ø18	1075	140	1335	55	180	285	230
COR-52-THT	536	460	178	460	198	M16	Ø16	M24	Ø24	1258	125	1503	65	265	430	360
COR-60-THT	536	460	170	460	190	M16	Ø16	M24	Ø24	1258	125	1503	65	265	430	360

Model/ 型號	Weight KG 重量	Oil KG 油量
COR-43-THT	460	260
COR-52-THT	536	460
COR-60-THT	536	460

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

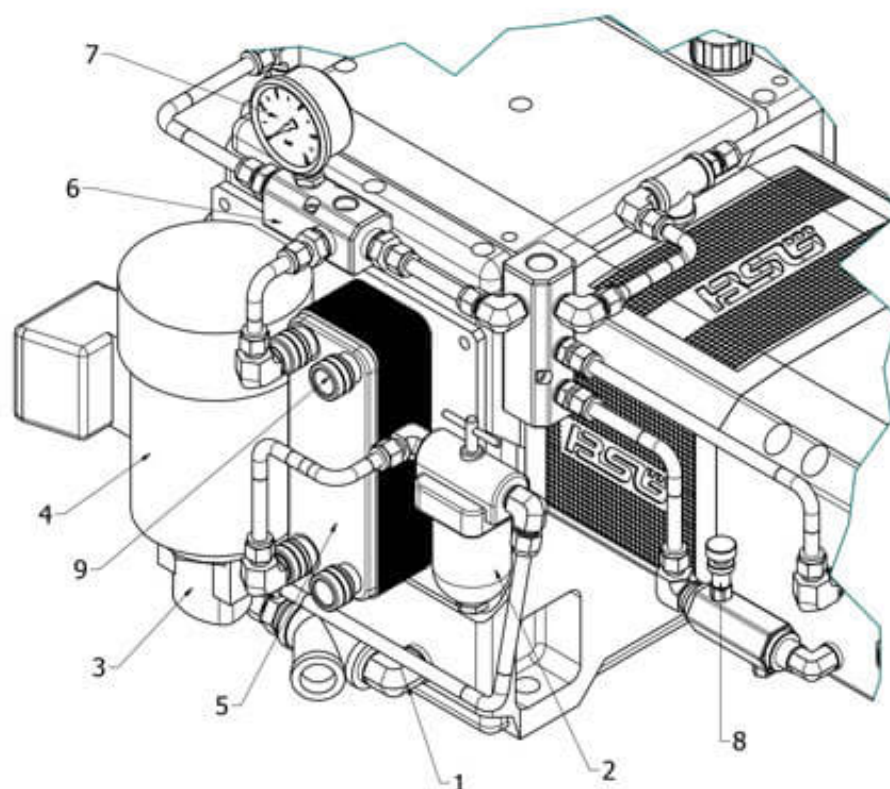
Datasheets 數據列表

Model/ 型號	I Ratio 減速比	n1 [min-1] 入力軸轉速	n2 [min-1] 出力軸轉速	Pn** [kW] 額定馬力 Fs=1.2	Mt(Nm) 額定扭矩 Each Shaft 單軸扭矩 Fs=1.2	Mt(Nm) 額定扭矩 Total 總扭矩 Fs=1.2
COR-43-THT	2.5	1800	720	155	685	2056
	3	1800	600	131	695	2085
	5	1500	300	65	690	2069
COR-52-THT	2.5	1800	720	278	1229	3687
	3	1800	600	235	1247	3740
	5	1500	300	115	1220	3660
COR-60-THT	2.5	1800	720	425	1879	5637
	3	1800	600	358	1899	5698
	5	1500	300	180	1910	5729

- Screw diameter as reference only 螺桿直徑僅供參考
- Weights and oil volume are approximate measures 重量與油量僅為預估值
- For customize center distance gearbox please contact us. 如需特殊規格請聯繫我司
- Service Factor 安全係數 (Fs)
- Technical data is calculated based on $F_s = 1.2$ (AGMA)
- For regular applications we recommend selecting $F_s > 1.2$
- For heavy duty application we recommend $F_s > 1.5$
- 數據列表所參考的安全規範為 $F_s = 1.2$ (AGMA)
- 一般應用建議安全係數為 $F_s > 1.2$
- 高負荷應用建議安全係數為 $F_s > 1.5$

Lubrication System

潤滑系統



Lubrication System

1. Intake
2. Filter
3. Pump
4. Electric Motor
5. Heat Plate Exchanger
6. Connection Splitter
7. Pressure Meter
8. Pressure adjustable Valve
9. Cooling Water Inlet/Outlet

潤滑系統

1. 出油處
2. 過濾器
3. 泵浦
4. 馬達
5. 板熱式交換器
6. 分接盒
7. 壓力表
8. 調壓閥
9. 冷卻水進 / 出口

General terms of sales

• Quotations

All quotations are only valid for 30 days unless otherwise specified.

• Order Confirmations

All orders are valid once payment terms and technical drawings have been signed or stamped and returned via email or fax.

• Delivery

All delivery times are as listed in the quote. If there are any delays or if the order is completed before the due date, sales will contact the buyer to make other arrangements.

• Shipment

All orders are quoted based on Incoterms Ex-works, unless specified otherwise.

• Packaging

Standard packaging is included in the quotation. Special requests will be charged additionally.

• Return of Goods

Returns will not be accepted unless authorized by BSG Gear Ltd.

• Warranty

The standard warranty period is 12 months from the date of delivery, unless specified otherwise in the quotation. Any warranty service required must be acknowledged by the buyer within this period of time. If goods are found to be faulty due to materials or manufacturing, all replacement or repair will be free of charge. Standard warranty service will involve shipping spare parts to the buyer for replacement with guided help. Any alternative should be discussed with the manufacturer. The warranty will be invalid if goods have been used incorrectly, tampered with, or damaged by third parties, or if they were installed improperly. The standard warranty period is 12 months from the date of delivery, unless specified otherwise in the quotation. Any warranty service required must be acknowledged by the buyer within this period of time. If goods are found to be faulty due to materials or manufacturing, faulty merchandise shall be ship back to seller's workshop freight fare prepaid. All replacement or repair will be free of charge. Standard warranty service will involve shipping spare parts to the buyer for replacement with guided help. Any alternative should be discussed with the manufacturer. The warranty will be invalid if goods have been used incorrectly, tampered with, or damaged by third parties, or if they were installed improperly.

• Payment

The standard payment terms are 50% in advance and 50% before shipping. All payments should be made using the same company details as specified in the quotation. Payments will only be accounted for once they have been accepted into the supplier's account.

交易條件

• 報價

所有報價僅在 30 天內有效。

• 訂單確認

所有訂單將以收到預付款和技術圖紙簽字或蓋章後，並通過電子郵件 / 傳真回傳確認後才生效。

• 交貨

交貨時間依照報價單上的交期進行。如果延遲或提前完成訂單，銷售人員將與買方聯繫進行其他安排。

• 裝運

所有訂單的報價基於交易條件 EXW，除非另外說明。

• 包裝

報價中已包含標準包裝。如有特殊要求，將額外收費。

• 退貨

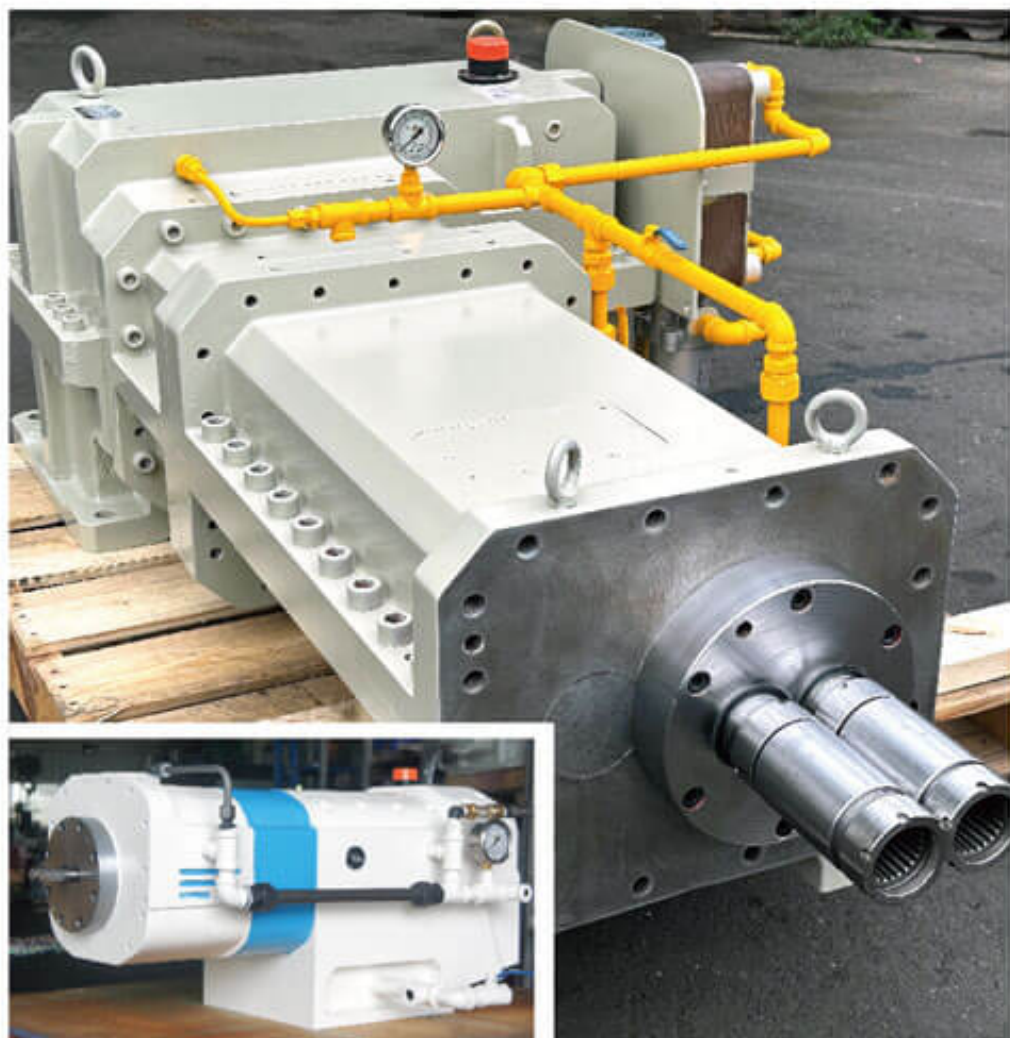
除非經本公司授權，否則不接受任何退貨。

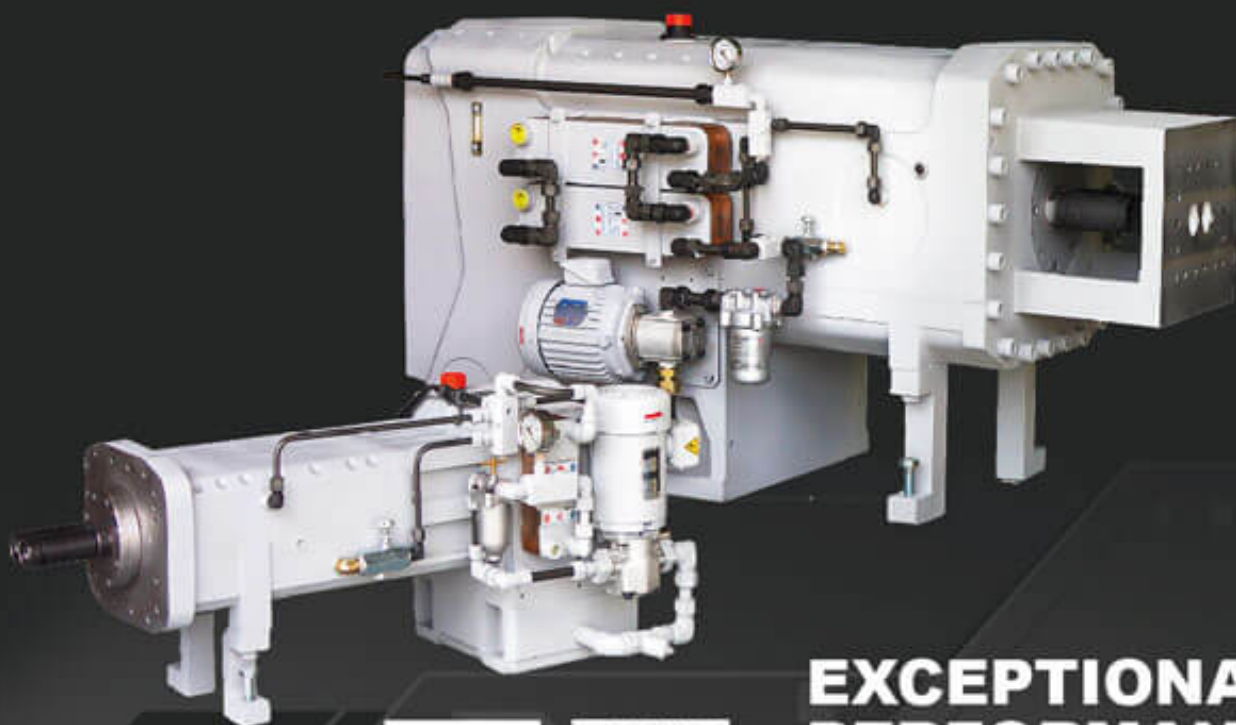
• 保固期

標準保固期為交貨後 12 個月內，除非報價中另有說明。任何保固服務必須在此期限內收到買方通知。如果產品因材料或生產原因出現故障，所有更換或維修服務將為免費。標準保固服務方式為賣方提供備品給予客戶進行替換並提供遠端技術指導。任何其他替代方案應與製造商討論。如果產品被認定為不當使用、被擅自改動、或安裝不當所導致損壞，以上將不列為保固範圍。除非報價中另有說明，標準保固期為交貨後 12 個月內，任何保固服務必須在此期限內收到買方通知。如果產品因材料或生產原因出現故障，故障品應由買方自費運送至賣方工廠，替代品或維修服務將為免費。任何其他替代方案應與製造商討論。如果產品被認定為不當使用、被擅自改動、或安裝不當所導致損壞，以上將不列為保固範圍。

• 付款條件

標準付款條件為 50% 預付款和 50% 出貨前結清。所有付款應與報價單中公司名相符。





WhatsApp



Wechat

EXCEPTIONAL PERFORMANCE

Torque
18
N.m / 13.2 ft.lbs

Multilayer
+50%
Structure

High
Revolutions
1800
rpm

Self
Lubrication
-20%
Maintenance

百象機械股份有限公司

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