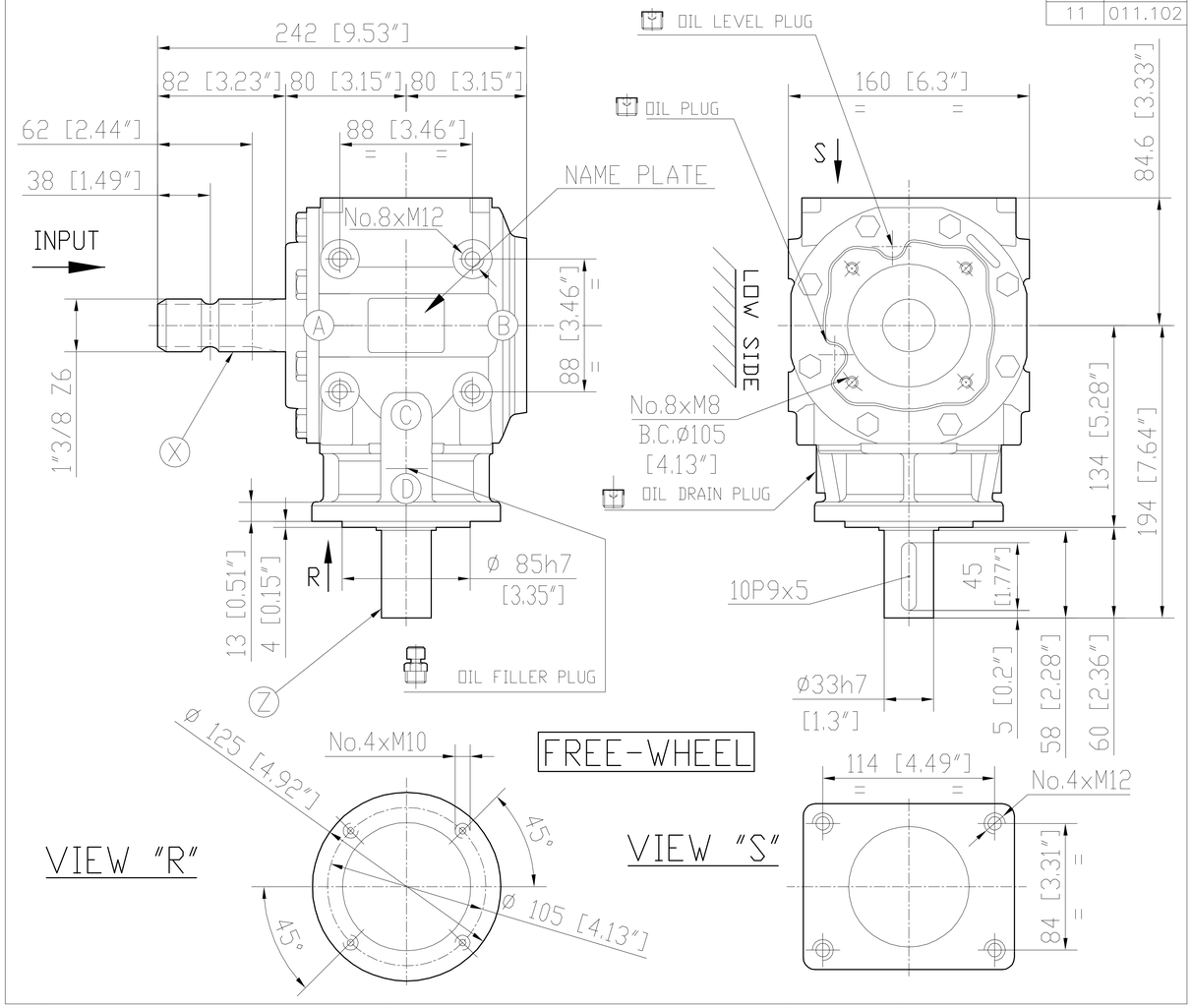
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COMPANY	REF.	DESIGNATION
.	–	T–310J
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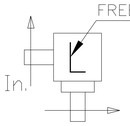
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SPEED INCREASING UNIT

Ratio i	Rated input r.p.m.	Rated input power HP	Rated input power kW	Rated output torque da Nm	Weight Kg	Lubricant Oil ☒ Type	Lubricant Grease ☐ Quantity Kg.
1 : 3	540	30	22.1	12.6	18	SAE.90EP	Lt. 0.8

Gear Arrangement	Bevel couplings							Cylindrical couplings						
	Helicoidal	Straight	Teeth number Z 1	Z 2	Z 3	Z 4	Module M.	Helicoidal	Straight	Teeth number Z 1	Z 2	Z 3	Z 4	Module M.
		*	12	36			3.45							



Bearings	
A	6307
B	6307
C	30207
D	30207
E	
F	
G	
H	

Components material				
Casing	Shaft X	Shaft Z	Bevel gear	Spur gear
ASTM 60–40–18	AISI 3120	AISI 3120	AISI 3120	

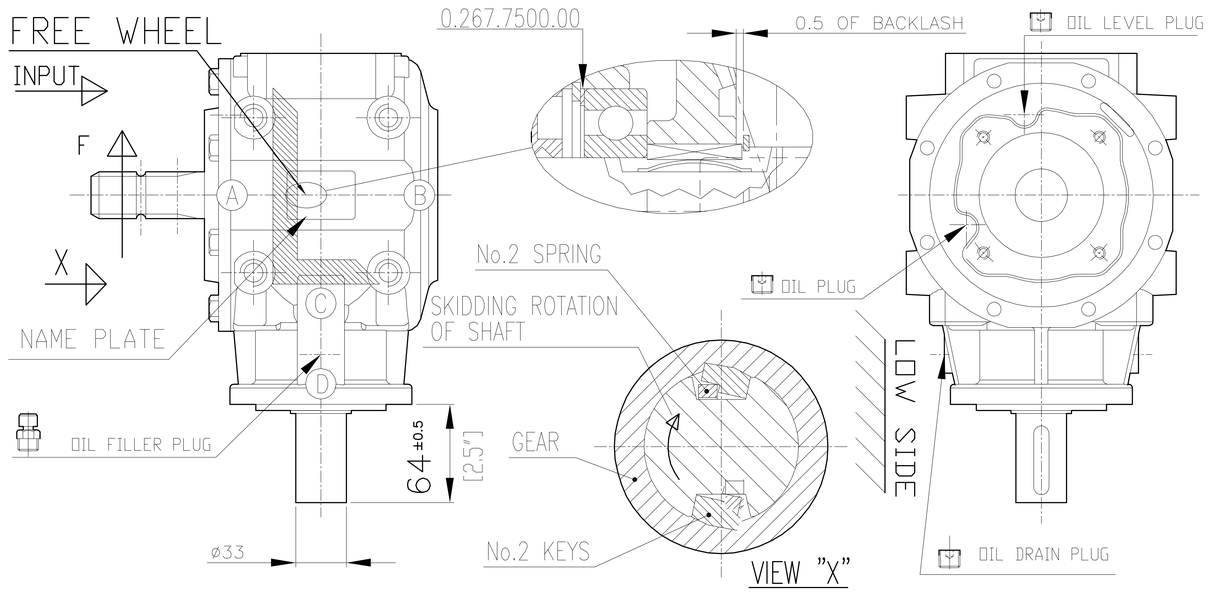
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RATIO	FIG. MONT.	COD.LETT. T–310J	CODE
1 : 3	21 – 22	COD.NUM. 310	9.310.875.10



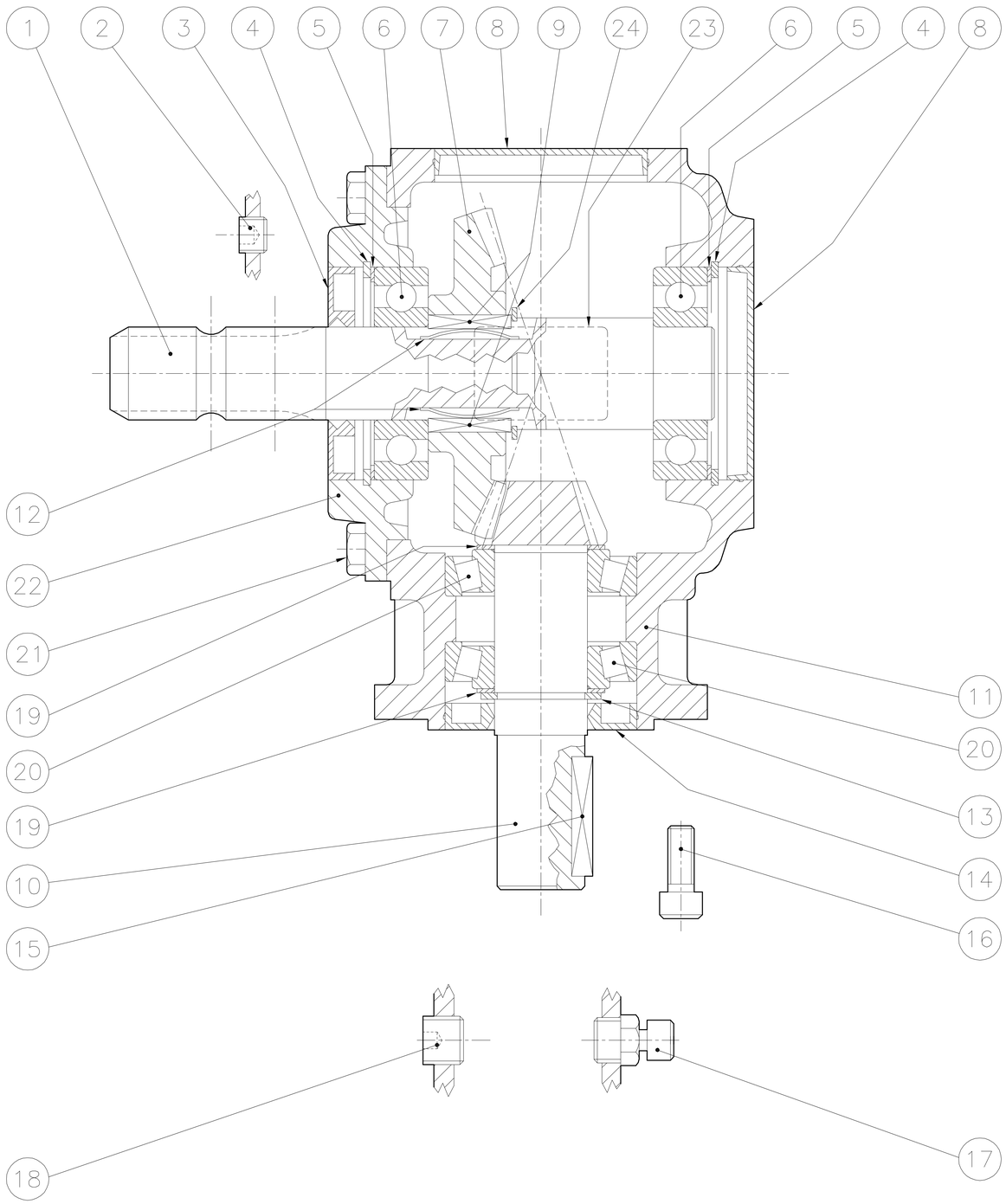
NOTE DI MONTAGGIO	ASSEMBLY NOTES	
– PRECARICO ASSE DI U.	– OUTPUT SHAFT BEARINGS PRELOAD.	4 ÷ 8 Kgcm.
– PRECARICO ASSE DI E.	– INPUT SHAFT BEARINGS PRELOAD.	0 ÷ 4 Kgcm.
– GIOCO DI INGRANAMENTO.	– GEARS BACKLASH .	0.10 ÷ 0.28 mm.
– SERRAGGIO VITI COPERCHIO IN POS. –A– .	– TIGHTENING INPUT COVER BOLTS.	5 ÷ 6.5 Kgm.
– APPLICARE SILICONE TRA SCATOLA E COPERCHIO IN POS.–A– .	– APPLY SILICONE SEALANT BETWEEN HOUSING AND COVER IN POS.–A– .	
– LA FRECCIA "F" INDICA LA ROTAZIONE DI LAVORO DELL'ALBERO (SI HA QUINDI LO SLITTAMENTO CON ROTAZIONE OPPOSTA) .	– THE ARROW "F" INDICATES THE WORK ROTATION OF SHAFT (SU THE SKIDDING IS WITH OPPOSED ROTATION).	
– AGGIUNGERE CON PENNELLO UN SOTTILE STRATO DI MOLYKOTE TIPO GN/PLUS COD.8.8.9.02185 SUL ø INTERNO DELL'INGRANAGGIO E SUL ø ESTERNO DELL'ALBERO , TRALASCIANDO LE 2 CAVE PER LINGUETTA .	– APPLY A SMALL LAYER OF MOLYKOTE TYPE "GN/PLUS" CODE 8.8.9.02185 WITH BRUSH ON INSIDE DIA. OF GEAR AND ON OUTSIDE DIA. OF SHAFT . DON'T APPLY MOLYKOTE ON TWO KEYS SEAT .	
– AVVITARE LE VITI COD.8.1.2.00198 SULLA FLANGIA IN POS. –D– SENZA PRECARICHI .	– ASSEMBLE THE BOLTS COD.8.1.2.00198 ON THE FLANGE POS. –D– WITHOUT PRELOAD .	
– NEBULIZZARE ALL'INTERNO DELLA SCATOLA CON "NUCLEOIL 10" COME ULTIMA OPERAZIONE .	– SPRAY "NUCLEOIL 10" INSIDE THE HOUSING AS LAST OPERATION .	
– UTILIZZARE PARAOLI MARCA "CFW–CP" (Changchun oilseal – CoLTD Nok–Corteco Joint Venture) .	– USE OIL SEAL "CFW–CP" China production (Changchun oilseal – CoLTD Nok–Corteco Joint Venture) .	
– IN CASO DI MANCANZA MISURE RICHIESTE UTILIZZARE "CORTECO" FORNITURA ITALIA .	– IF THE REQUESTED SIZES ARE NOT AVAILABLE USE "CORTECO" ITALIAN SUPPLY .	
– SERRARE I TAPPI A 3 Kgm.	– TIGHTEN THE OIL PLUG AT 3 Kgm.	
– LA LINGUETTA COD.0.267.7109.00 E LA MOLLA COD.0.267.7110.00 DEVONO ESSERE DI PRODUZIONE ITALIANA.	– THE KEY SEAT P/N. 0.267.7109.00 AND SPRING P/N. 0.267.7110.00 MUST BE OF ITALIAN PRODUCTION .	

THEORETICAL SHIMS / SPESS.TEORICA IN : (A) 0.9 mm. (B) 0.9 mm. (C) 0.95 mm. (D) 0.95 mm.

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REF.	COMPANY : .	INDEX	COM. N°
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RATIO	FIG. MONT.	COD.LETT. T-310J	CODE
1 : 3	21 - 22	COD.NUM. 310	9.310.875.10

POS.	DRG. Nr.	PCS.	DESCRIPTION
1	0.311.3201.00	1	INPUT SHAFT FREE-WHEEL 1"3/8 Z6
2	8.6.6.00271	2	1/4" GAS OIL PLUG WHIT EMBEDDED HEXAGON
3	8.7.1.00315	1	DUST LIP (35x80x10)
4	8.5.2.00030	2	SNAP RING (80x83.5x2.5 , FOR HOLES)
5	0.267.7500.00	2	SHIM KIT (69x79.7)
6	8.0.1.00049	2	BALL BEARING 6307 (35x80x21)
7	0.310.6010.00	1	CROWN WHEEL Z36 M3.45
8	8.7.0.00790	2	OIL CAP (80x10)
9	0.267.7109.00	2	KEY FOR FREE WHEEL
10	0.310.5002.00	1	PINION SHAFT Z12 M3.45
11	0.310.0304.00	1	HOUSING
12	0.267.7110.00	2	RUBBER BAND
13	8.5.1.00583	1	SNAP RING (35x33x2.5 , FOR SHAFTS)
14	8.7.3.00055	1	OIL SEAL (35x72x10)
15	8.4.1.00314	1	PARALLEL KEY A (10x8x45)
16	8.1.2.00198	4	BOLT M10x25 HEX SOCKET HEAD CAP SCREWS (8.8)
17	8.6.7.00161	1	3/8" GAS OIL VENT PLUG
18	8.6.6.00201	1	3/8" GAS OIL PLUG WHIT EMBEDDED HEXAGON
19	0.259.7500.00	2	SHIM KIT (35.3x48)
20	8.0.9.00026	2	ROLLER BEARING 30207 (35x72x18.25)
21	8.1.1.00501	8	BOLT M10x22 HHB (8.8)
22	0.310.1300.00	1	COVER
23	0.124.7135.00	1	NAME PLATE
24	8.5.1.00712	1	SNAP RING (42x39.5x1.75 , FOR SHAFTS)

SHIPPED SEPARATELY

POS.	DRG. Nr.	PCS.	DESCRIPTION