



SPICER®

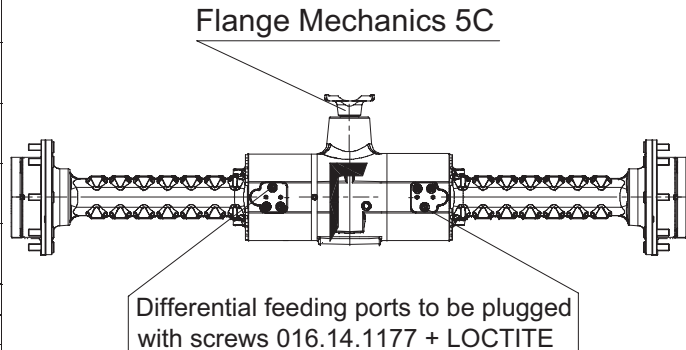
Off-Highway Products

Service Parts List

Drive Axle 111/209

ENTRA GRUPP

APL-2052
April 2011

Description Rigid planetary axle		Type 111	Model 209	Customer: STARCO Cust. code: 510001 Drawing n° 111.97.000.209	ECO number and date	
Oil volume				Machine: DRILL RIG EG	R	1856
				Notes	29/11/2010	
				- The axle will be sent with oil		
Flange to flange [mm] 1660. Bevel gear set 9:31 Final reduction ratio 1:6 - 3 planets BCD 275						
111 DUAL Brake						
Description	Assembly	Features	Assembly Dwg	 Flange Mechanics 5C Differential feeding ports to be plugged with screws 016.14.1177 + LOCTITE		
Central housing	111-01/19		111.01.000.01			
Differential	111-04/110	Hydraulic locking differential	211.04.000.01			
Wheel hub	111-06/71	Studs M18 L=74 - flat nuts	111.06.000.06			
Brake	111-07/37	Wet disc brake - 6 discs Wellman - DUAL - SAHR parking brake - 0,75 mm play - 15 bar release pressure	111.07.000.16			
Loose parts						
2						



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTS

Descr. **CENTRAL HOUSING**

Drawing

111-01-0004

Page N. 1

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-01/19
1	111.01.025.06	1	SCATOLA GEHAEUSE CARTER HOUSING		
2		0			
3	002.02.0088	1	ANELLO DI SICUREZZA SICHERUNGSRING ARRETOIR CIRCLIP		
4	171.01.015.04	1	TAPPO STOPFEN BOUCHON PLUG		
5	355.14.611.02	1	TAPPO MAGNETICO MAGNETSTOPFEN BOUCHON MAGNETIQUE MAGNET PLUG		
6	016.04.0870	2	VITE A TESTA CILINDRICA ZYLINDERSCHRAUBE VIS A TETE CYLINDRIQUE CYLINDER BOLT		
7	111.01.023.02	1	COPERCHIO INTERMEDIO ZWISCHENDECKEL COUVERCLE INTERMEDIAIRE INTERMEDIATE COVER		
8		0			
9		0			
10	016.14.0987	1	VITE DI CHIUSURA VERSCHLUSS-SCHRAUBE VIS DE FERMETURE PLUG		



Mod. 111/209

Technical Documentation

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Descr. **CENTRAL HOUSING**

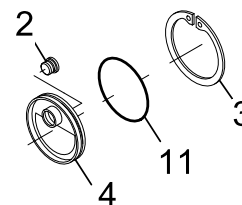
Drawing
111-01-0004

Page N. 2

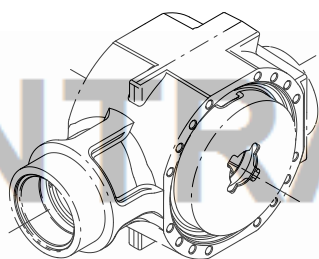
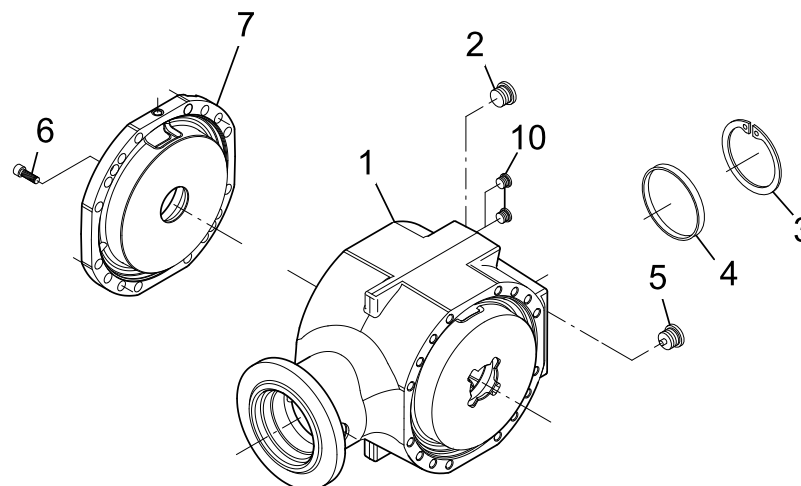
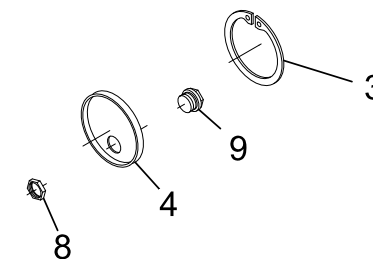
Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type	Subassembly
11		0		111	111-01/19

NTRA GRUPP

WITH REAR INSPECTION
PLUG

OPTIONAL



DANA ITALIA S.P.A.

CENTRAL HOUSING

TECHNICAL DOCUMENTATION

Type 111

Tav. 111-01-0004



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **DIFFERENTIAL**

Drawing

111-04-0016

Page N. 1

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-04/110
1	005.09.0496	2	CUSCINETTO A RULLI CONICI KEGELROLLENLAGER ROULEMENT A R. CONIQUES TAPER ROLLER BEARING		
2	111.04.057.03	1	SCATOLA DIFFERENZIALE DIFFERENTIALGEHAEUSE CARTER DIFFERENTIEL DIFFERENTIAL CARRIER		
3	012.01.3207	6	SFERA KUGEL BILLE DETEND BALL		
4	012.01.1888	1	SFERA KUGEL BILLE DETEND BALL		
5	171.04.011.01	2	RONDELLA DI RASAMENTO ANLAUFSCHEIBE RONDELLE FRICTION WASHER		
6	111.04.058.02	1	PLANETARIO AUSGLEICHSWELLENRAD PLANETAIRE DIFFERENTIAL SIDE GEAR		
7	171.04.012.01	4	RONDELLA DI RASAMENTO ANLAUFSCHEIBE RONDELLE FRICTION WASHER		
8	111.04.070.01	4	SATELLITE AUSGLEICHSKEGELRAD SATELLITE DIFFERENTIAL PINION		
9	111.04.034.02	2	PERNO BOLZEN AXE PIN		
10	111.04.033.02	1	PERNO BOLZEN AXE PIN		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTS

Descr. **DIFFERENTIAL**

Drawing

111-04-0016

Page N. 2

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-04/110
11	014.03.3539	3	SPINA STIFT BROCHE DOWEL		
12	111.04.039.03	1	PLANETARIO AUSGLEICHSWELLENRAD PLANETAIRE DIFFERENTIAL SIDE GEAR		
13	111.04.500.03	1	COPPIA CONICA KEGEL- UND TELLERRADPAAR COUPLE CONIQUE BEVEL GEAR SET		
14	111.04.032.02	1	CROCERA KREUZSTUECK CROISILLON SHAFT RETAINER		
15	111.04.044.02	1	MOLLA FEDER RESSORT SPRING		
16	111.04.042.01	1	MANICOTTO SCORREVOLE SCHALTMUFFE MANCHON DE COMMANDE CHANGE SELECTOR		
17	011.04.3431	3	RONDELLA SCHEIBE RONDELLE WASHER		
18	016.36.4305	3	VITE SCHRAUBE VIS BOLT		
19	001.05.4033	1	ANELLO RING BAGUE RING		
20	013.01.3290	2	SPESSORE PASS - SCHEIBE CALE SHIM		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **DIFFERENTIAL**

Drawing

111-04-0016

Page N. 3

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-04/110
20	013.01.3288	2	SPESSORE PASS - SCHEIBE CALE SHIM		
20	013.01.1475	2	SPESSORE PASS - SCHEIBE CALE SHIM		
20	013.01.3289	2	SPESSORE PASS - SCHEIBE CALE SHIM		
21	111.04.043.02	1	PISTONE KOLBEN PISTON PISTON		
22	262.07.007.01	2	VITE REGISTRO NACHSTELLSCHRAUBE VIS DE REGLAGE ADJUSTING BOLT		
23	111.04.052.01	1	ANELLO OR O - RING JOINT OR O - RING		
24	016.28.3658	12	VITE SCHRAUBE VIS BOLT		
25	932.03.020.01	1	PROTEZIONE IN GOMMA SCHUTZKAPPE CAPUCHON BOOT		
26	932.03.600.04	1	INTERRUTTORE DI SICUREZZA ANLASSERSPERRE DISJONCTEUR DE SURETE SECURITY SWITCH		
27	011.07.1478	1	ROSETTA DI TENUTA DICHRING BAGUE D'ETANCHEITE SEAL WASHER		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTS

Descr. **DIFFERENTIAL**

Drawing

111-04-0016

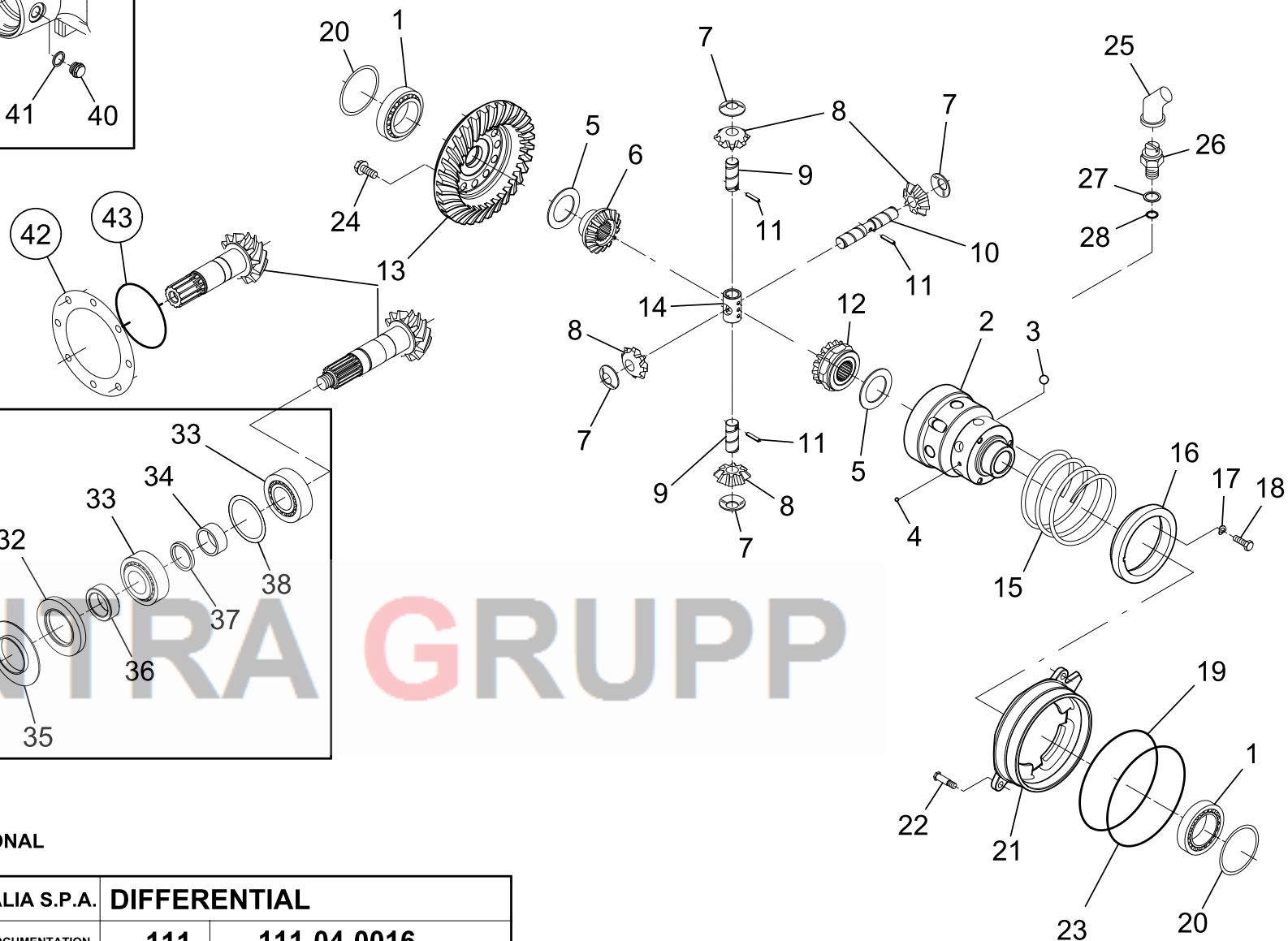
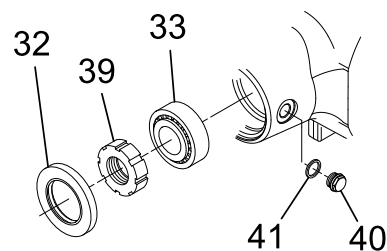
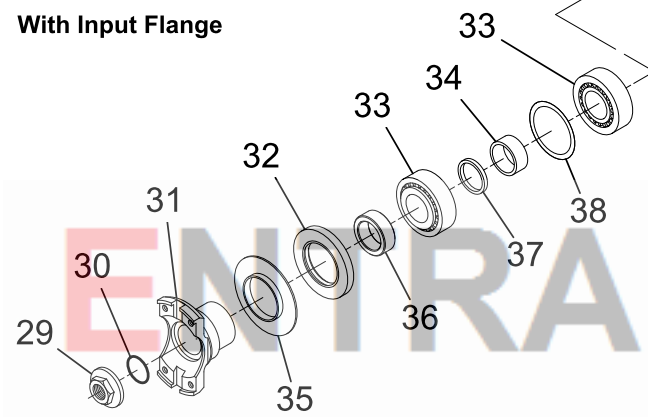
Page N. 4

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-04/110
28	001.05.1479	1	ANELLO OR O - RING JOINT OR O - RING		
29	746.04.008.01	1	DADO MUTTER ECROU NUT		
30	001.05.0041	1	ANELLO OR O - RING JOINT OR O - RING		
31	171.04.037.01	1	FLANGIA FLANSCH BRIDE FLANGE		
32	001.03.4328	1	ANELLO DI TENUTA DICHTRING JOINT D'ETANCHEITE SEAL		
33	005.09.2938	2	CUSCINETTO LAGER ROULEMENT BEARING		
34	315.14.008.01	1	DISTANZIALE DISTANZRING ENTRETOISE SPACER		
35	953.01.025.01	1	LAMIERA DI PROTEZIONE SCHUTZBLECH PROTECTION EN TOLE COVERPLATE		
36	171.04.018.01	1	DISTANZIALE DISTANZRING ENTRETOISE SPACER		
37	315.14.010.04	1	ANELLO RING BAGUE RING		

	DISTINTA PEZZI DI RICAMBIO ERSATZTEILLISTE LISTE DES PIECES DE RECHANGE LIST OF SPARE PARTS	Drawing 111-04-0016
Mod. 111/209		Page N. 5
Technical Documentation	Descr. DIFFERENTIAL	Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-04/110
37	315.14.009.10	1	ANELLO RING BAGUE RING		
38	013.01.1551	1	SPESSORE PASS - SCHEIBE CALE SHIM		
38	013.01.1550	1	SPESSORE PASS - SCHEIBE CALE SHIM		
38	013.01.1549	1	SPESSORE PASS - SCHEIBE CALE SHIM		
39		0			
40	112.07.615.01	1	TAPPO STOPFEN BOUCHON PLUG		
41		0			
42		0			
43		0			

With electronic sensor**With Input Flange**

42 43 OPTIONAL



DANA ITALIA S.P.A.

DIFFERENTIAL

TECHNICAL DOCUMENTATION

Type **111**Tav. **111-04-0016**



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **HUB REDUCTION**

Drawing

111-06-0001

Page N. 1

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-06/71
1		0			
2		0			
3	702.01.003.01	1	TAPPO SFIATO ENTLUEFTER RENIFLARD VENT		
4		0			
5	001.05.1037	3	ANELLO OR O - RING JOINT OR O - RING		
6	111.06.068.01	2	ANELLO RING BAGUE RING		
7	001.21.1393	2	ANELLO DI TENUTA DICHTRING JOINT D'ETANCHEITE SEAL		
8	005.10.1380	4	CUSCINETTO LAGER ROULEMENT BEARING		
9	702.06.017.07	16	COLONNETTA RADBOLZEN GOUJON DE ROUE WHEEL STUD		
10	006.11.1319	16	DADO MUTTER ECROU NUT		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTS

Descr. **HUB REDUCTION**

Drawing

111-06-0001

Page N. 2

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-06/71
11	002.06.3193	2	ANELLO DI SICUREZZA SICHERUNGSRING ARRETOIR CIRCLIP		
12	111.06.025.01	2	ANELLO CENTRATORE ZENTRIER - RING BAGUE DE CENTRAGE CENTERING RING		
13	111.06.005.02	2	SUPPORTO PORTACORONA HOHLRADTRAEGER SUPPORT PORTE COURONNE RING GEAR SUPPORT		
14	111.06.007.02	2	LAMIERA DI SICUREZZA SICHERUNGSBLECH TOLE DE SECURITE LOCKING PLATE		
15	002.14.3191	6	ANELLO DI SICUREZZA SICHERUNGSRING ARRETOIR CIRCLIP		
16	112.06.006.03	6	SATELLITE (PLAN.) PLANETENRAD SATELLITE PLANET GEAR		
17	112.06.008.02	6	CUSCINETTO LAGER ROULEMENT BEARING		
18	112.01.610.01	2	TAPPO STOPFEN BOUCHON PLUG		
19		0			
20	016.06.0442	4	VITE A TESTA CONICA SENKSCHRAUBE VIS A TETE CONIQUE COUNTERSUNK BOLT		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **HUB REDUCTION**

Drawing

111-06-0001

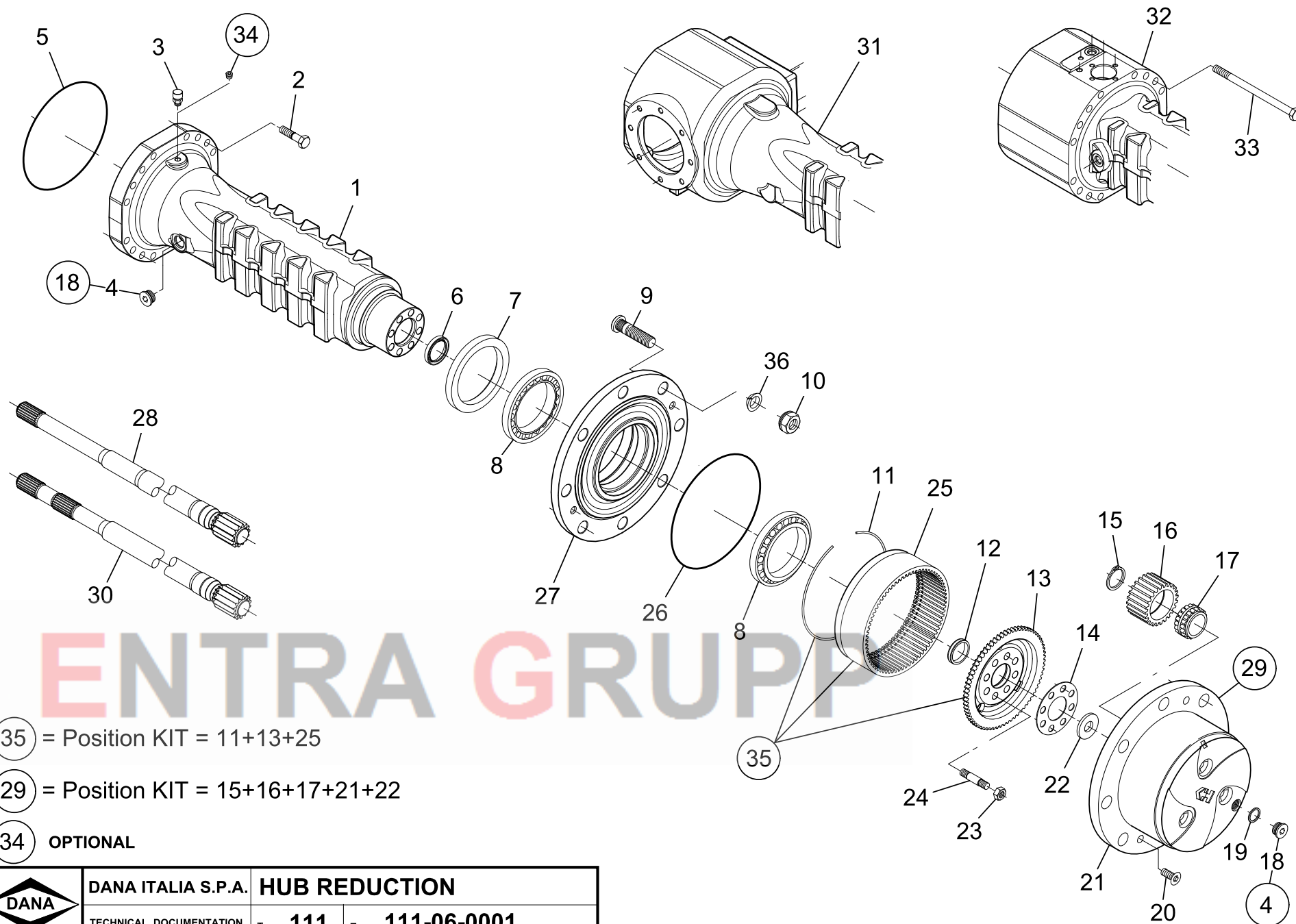
Page N. 3

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-06/71
21	112.06.050.04	2	SUPPORTO SATELLITI PLANETENGEHAEUSE SUPPORT SATELLITES PLANET GEAR CARRIER		
22	112.06.017.02	2	RONDELLA DI RASAMENTO ANLAUFSCHIEBE RONDELLE FRICTION WASHER		
23	006.25.4381	16	DADO MUTTER ECROU NUT		
24	111.06.006.02	16	PRIGIONIERO STIFTSCHRAUBE GOUJON STUD		
25	112.06.005.04	2	CORONA DENTATA ZAHNKRANZ COURONNE DENTEE RING GEAR		
26	001.05.1178	2	ANELLO OR O - RING JOINT OR O - RING		
27	111.06.010.01	2	MOZZO RUOTA RADNABE MOYEU DE ROUE WHEEL HUB		
28		0			
29	212.06.710.19	2	SUPPORTO SATELLITI PLANETENGEHAEUSE SUPPORT SATELLITES PLANET GEAR CARRIER		
30	111.06.066.04	2	SEMIASSE ACHSWELLE DEMI-ARBRE HALF SHAFT		

	DISTINTA PEZZI DI RICAMBIO ERSATZTEILLISTE LISTE DES PIECES DE RECHANGE LIST OF SPARE PARTS		Drawing 111-06-0001
	Mod. 111/209		Page N. 4
	Technical Documentation		Date 26/04/11
Descr.		HUB REDUCTION	

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-06/71
31		0			
32	111.06.008.40	2	BRACCIO ACHSKOERPER CORPS D'ESSIEU AXLE CASE		
33	016.03.4016	32	VITE A TESTA ESAGONALE SECHSKANTSCHRAUBE VIS A TETE EXAGONALE HEXAGON BOLT		
34	016.14.1177	4	VITE DI CHIUSURA VERSCHLUSS-SCHRAUBE VIS DE FERMETURE PLUG		
35	111.06.705.02	2	SUPPORTO PORTACORONA HOHLRADTRAEGER SUPPORT PORTE COURONNE RING GEAR SUPPORT		
36		0			



	DANA ITALIA S.P.A. HUB REDUCTION
TECHNICAL DOCUMENTATION	Type 111 Tav. 111-06-0001



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **BRAKES**

Drawing

111-07-0007

Page N. 1

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-07/37
1	111.07.611.01	6	DISCO FRENO BREMSSCHEIBE DISQUE DE FREIN BRAKE DISC		
2	111.07.015.03	8	DISCO FRENO INTERMEDIO GEGENLAMELLE DISQUE INTERMEDIAIRE INTERMEDIATE BRAKE DISC		
3	111.07.053.01	2	BUSSOLA ZWISCHENBUCHSE MANCHON DE REDUCTION REDUCTION BUSHING		
4	111.07.051.01	2	PISTONE KOLBEN PISTON PISTON		
5	112.07.037.13	6	VITE REGISTRO NACHSTELLSCHRAUBE VIS DE REGLAGE ADJUSTING BOLT		
6	112.07.002.03	6	MOLLA FEDER RESSORT SPRING		
7	738.07.104.01	2	ANELLO ANTIESTRUSIONE ANTIEXTRUSIONSRING BAGUE ANTIEXTRUSION BACK - UP RING		
8	738.07.102.01	2	ANELLO OR O - RING JOINT OR O - RING		
9	111.07.016.01	2	ANELLO ANTIESTRUSIONE ANTIEXTRUSIONSRING BAGUE ANTIEXTRUSION BACK - UP RING		
10	001.05.0691	2	ANELLO OR O - RING JOINT OR O - RING		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **BRAKES**

Drawing

111-07-0007

Page N. 2

Date 26/04/11

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-07/37
11	163.07.011.01	6	MOLLA FEDER RESSORT SPRING		
12	163.07.012.02	6	VITE REGISTRO NACHSTELLSCHRAUBE VIS DE REGLAGE ADJUSTING BOLT		
13	001.05.3276	6	ANELLO OR O - RING JOINT OR O - RING		
14	111.07.052.01	6	TAPPO STOPFEN BOUCHON PLUG		
15		0			
16	112.07.615.01	4	TAPPO STOPFEN BOUCHON PLUG		
17	734.07.014.01	4	VITE SPURGO ABBLASESCHRAUBE VIS DE PURGE BLEEDING BOLT		
18	734.07.015.01	4	TAPPO STOPFEN BOUCHON PLUG		
19	183.07.003.01	8	ANELLO ANTIESTRUSIONE ANTIEXTRUSIONSRING BAGUE ANTIEXTRUSION BACK - UP RING		
20	001.05.4142	8	ANELLO OR O - RING JOINT OR O - RING		



Mod. 111/209

Technical Documentation

DISTINTA PEZZI DI RICAMBIO
ERSATZTEILLISTE
LISTE DES PIECES DE RECHANGE
LIST OF SPARE PARTSDescr. **BRAKES**

Drawing

111-07-0007

Page N. 3

Date 26/04/11

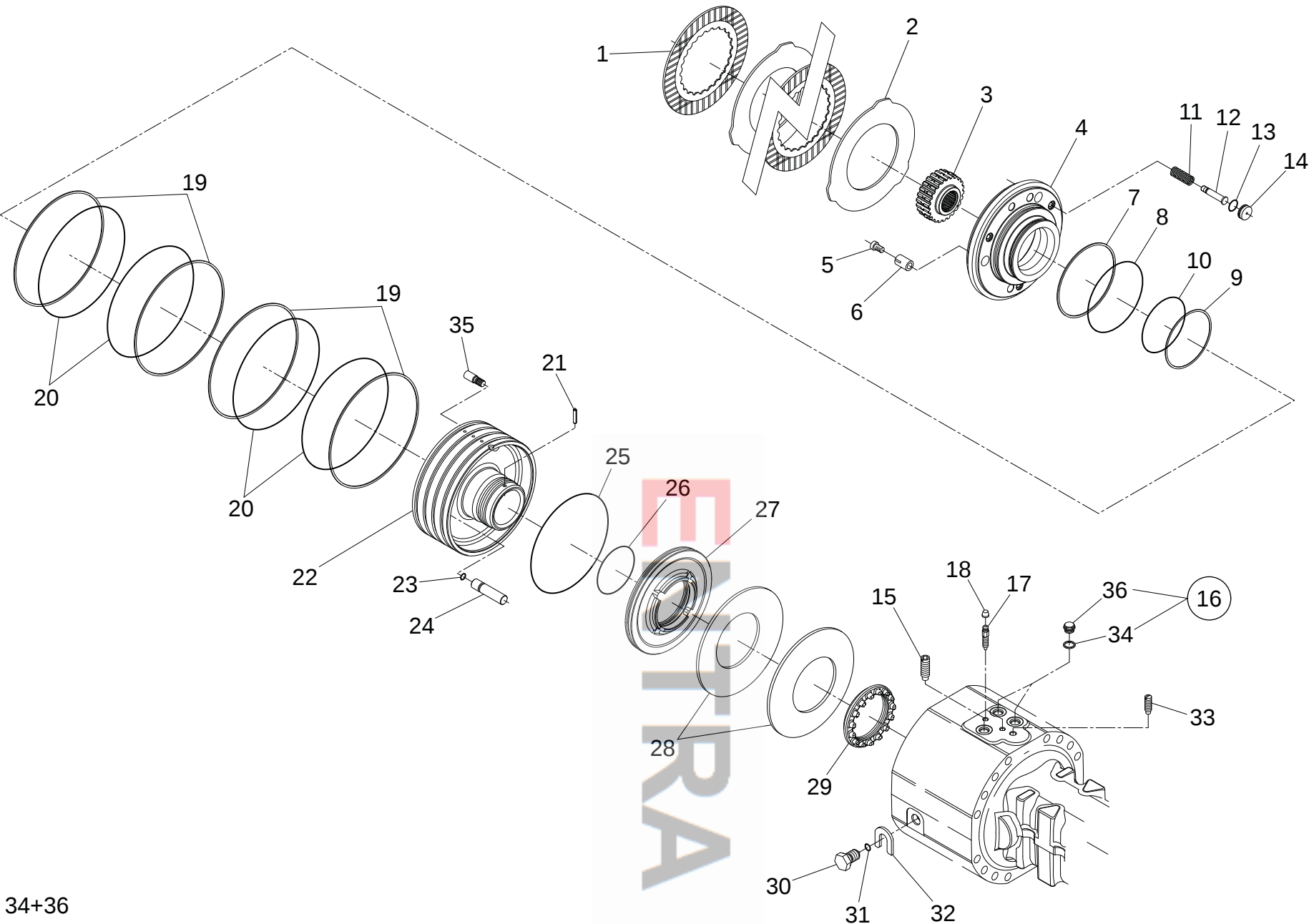
Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-07/37
21	014.03.3539	2	SPINA STIFT BROCHE DOWEL		
22	111.07.050.02	2	PISTONE KOLBEN PISTON PISTON		
23	001.05.0933	6	ANELLO OR O - RING JOINT OR O - RING		
24	111.07.021.04	6	PERNO BOLZEN AXE PIN		
25	001.05.0807	2	ANELLO OR O - RING JOINT OR O - RING		
26	001.05.1620	2	ANELLO OR O - RING JOINT OR O - RING		
27	111.07.018.01	2	PISTONE KOLBEN PISTON PISTON		
28	738.07.100.01	4	MOLLA FEDER RESSORT SPRING		
29	111.07.026.01	2	GHIERA WELLENMUTTER ECROU RING NUT		
30	111.07.024.03	4	VITE SCHRAUBE VIS BOLT		

	DISTINTA PEZZI DI RICAMBIO ERSATZTEILLISTE LISTE DES PIECES DE RECHANGE LIST OF SPARE PARTS		Drawing 111-07-0007
	Mod. 111/209		Page N. 4
	Technical Documentation		Date 26/04/11

Descr. **BRAKES**

Pos.	NUMERO DISEGNO BESTELLNUMMER REFERENCE NUMERO PART NUMBER	Q.ty	DENOMINAZIONE BEZEICHNUNG DESCRIPTION DENOMINATION	Type 111	Subassembly 111-07/37
31	001.05.1238	4	ANELLO OR O - RING JOINT OR O - RING		
32	111.07.025.02	4	DISTANZIALE DISTANZRING ENTRETOISE SPACER		
33	016.09.0451	2	GRANO FILETTATO GEWINDEKORN POINTEAU FILETE GRUB BOLT		
34		0			
35	162.07.004.05	2	VITE SPINA FUEHRUNGSSCHRAUBE VIS A BROCHE PILOT BOLT		

NTRA GRUPP



16 Kit = 34+36

	DANA ITALIA S.P.A.	BRAKES	
	TECHNICAL DOCUMENTATION	Type 111	Tav. 111-07-0007

ENTRA GRUPP

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