GREEN GEAR TRASMISSIONI S.r.l.

PRODUCT BOOK

• GEAR COUPLINGS
• MILL GEAR SPINDLES
• UNIVERSAL SHAFTS
GEAR COUPLINGS

FIG. 1

STANDARD GEAR COUPLINGS ARE MANUFACTURED IN HUNDREDS OF QUANTITY PER MONTH.
STEEL MATERIAL: C45

FIG. 2

MAIN CUSTOMERS:
- DANIELI GROUP
- SIEMENS GROUP
- WORLDWIDE DISTRIBUTORS
FIG. 3

STANDARD GEAR COUPLINGS ARE MANUFACTURED IN 12 SIZES AND THEY CAN BE SUPPLIED WITH FINISHED BORES...

FIG. 4

...WITH PILOT BORES.
FIG. 5

GEAR COUPLING WITH ELECTRICAL INSULATION

- DISC IN NYLON
- BUSHES IN REPOGLASS

FIG. 6

GEAR COUPLING WITH ELECTRICAL INSULATION AND TUBULAR SPACER
FIG. 7  GEAR COUPLING WITH BRAKE DISC OF THE VENTILATED TYPE

FIG. 8  GEAR COUPLING WITH STANDARD BRAKE DISC

FIG. 9  GEAR COUPLING WITH BRAKE PULLEY

FIG. 10  GEAR COUPLING WITH STANDARD BRAKE DISC AND TUBULAR SPACER
FIG. 11
GEAR COUPLING WITH
DISENGAGEABLE DEVICE AND
TUBULAR SPACER

FIG. 12
SPECIAL DISENGAGEABLE
GEAR COUPLINGS
FOR PIPE MILL

FIG. 13
GEAR COUPLING WITH
DISENGAGEABLE DEVICE
FIG. 14
GEAR COUPLING WITH CONTINUOUS OIL LUBRICATION

FIG. 15
GEAR HUBS AND SLEEVES IN 42CrMo4 GAS NITRIDED

FIG. 16
GEAR COUPLING WITH CONTINUOUS OIL LUBRICATION, ASSEMBLED WITH TUBULAR SPACER
FIG. 17
GEAR COUPLING WITH SHEAR PIN SAFETY DEVICE FOR BAR MILLS

FIG. 18
GEAR COUPLING WITH BIBBIGARD SAFETY DEVICE

FIG. 19
INTERMEDIATE FLANGES WITH SHEAR PIN SAFETY DEVICE
FIG. 20
GEAR COUPLING WITH SLIDING GEAR TEETH

FIG. 21
GEAR COUPLING WITH SOLID SHAFT

FIG. 22
GEAR COUPLING WITH SOLID SHAFT
FIG. 23
GEAR COUPLINGS WITH LONG TUBULAR SPACER PROVIDED WITH HEAT TREATMENT: BLACK TREATMENT (NITRO-OXIDATION)
FOR TUBE-DRAWING FACTORY

FIG. 24
HALF GEAR COUPLINGS PROVIDED WITH HEAT TREATMENT: BLACK TREATMENT (NITRO-OXIDATION)

FIG. 25
GEAR COUPLINGS WITH 4 METERS TUBULAR SPACER, PROVIDED WITH HEAT TREATMENT: BLACK TREATMENT (NITRO-OXIDATION)
FIG. 26

HEAVY DUTY GEAR COUPLING
WITH LONG HUBS

FOR SIEMENS UK

FIG. 27

HEAVY DUTY GEAR COUPLING
FOR MAIN DRIVE FINISHING MILL

FOR DANIELI AUSTRIA
FIG. 28
HEAVY DUTY GEAR COUPLING WITH SEAL COVERS AND LONG HUBS
FOR DANIELI

FIG. 29
HEAVY DUTY GEAR HUBS WITH SPLINED FINISHED BORES
FIG. 30
HEAVY DUTY GEAR COUPLING WITH SHEAR PINS SAFETY DEVICE AND TUBULAR SPACER
FOR DANIELI

FIG. 31
HEAVY DUTY GEAR COUPLING WITH SHEAR PINS SAFETY DEVICE AND TUBULAR SPACER

FIG. 32
HEAVY DUTY GEAR COUPLING WITH SHEAR PINS SAFETY DEVICE AND TUBULAR SPACER
FINISHED BORE WITH SHRINK FITTING AND OIL PRESSURE REMOVAL
FIG. 33

HEAVY DUTY GEAR COUPLING WITH TUBULAR SPACER FOR CEMENT FACTORY

FIG. 34

SLEEVE TOOTHING

FIG. 35

HUB TOOTHING
FIG. 36 SLEEVE MARKED GGT

FIG. 37 HEAVY DUTY HALF GEAR COUPLING

FIG. 38 HEAVY DUTY GEAR COUPLING WITH TUBULAR SPACER FOR ANCHOR DRIVE, FOR ROLLS-ROYCE

FIG. 39 HEAVY DUTY GEAR HUBS WITH INDUCTION TEMPERING

FIG. 40 SLEEVE TEETH WITH INDUCTION TEMPERING

FIG. 41 HEAVY DUTY GEAR HUBS WITH HEXAGONAL BORE AND TEETH WITH INDUCTION TEMPERING
FIG. 42
SPECIAL GEAR COUPLING WITH TUBULAR SPACER
FOR DOWN COILER (PAPER MACHINE)

FIG. 43
GEAR COUPLINGS
WITH TUBULAR SPACER
DRUM GEAR COUPLINGS

CUSTOMER: DANIELI ITALY

FIG. 44
DRUM GEAR COUPLING

FIG. 45
DRUM GEAR COUPLING

FIG. 46
DRUM GEAR COUPLING

FIG. 47
GEAR TEETH WITH
INDUCTION TEMPERING
FIG. 48
MILL GEAR SPINDLES FOR BAR MILL
CUSTOMER: SIEMENS WORCESTER – USA

FIG. 49
MILL GEAR SPINDLES
NITRIDE SPLINES
PARTIAL KEY
FIG. 50
GEAR SLEEVE TOOTHING

FIG. 51
GEAR HUB TOOTHING

FIG. 52
MILL GEAR SPINDLES FOR BAR MILL

CUSTOMER: SIEMENS POMINI ITALY
FIG. 53
GEAR SPINDLE ASSEMBLY

FIG. 54
REDUCER SIDE GEAR SLEEVE

FIG. 55
ROLL SIDE GEAR SLEEVE
FIG. 56
GEAR SPINDLE ASSEMBLY

FIG. 57
GEAR SPINDLE ASSEMBLY
FIG. 58
GEAR SPINDLE ASSEMBLY – COMMISSIONING AT ARCELORMITTAL OSTRAVA – SIEMENS ITALY

FIG. 59
SPECIAL GEAR SPINDLE ASSEMBLY WITH VARIABLE SET-UP
FIG. 60
GEAR SPINDLE
ROLL END
COUPLING BOX

CUSTOMER:
SIEMENS FRANCE

FIG. 61-62
GEAR SPINDLE
ROLL END
DIA. 1300 mm
FIG. 63
SPECIAL MILL GEAR SPINDLES FOR TUBE MILLS

FIG. 64 ROLL SIDE GEAR HEAD

FIG. 65 - PINION SIDE GEAR HEAD
FIG. 66 - 67
SIX SPECIAL MILL GEAR SPINDLES FOR TUBE MILLS IN THE EASTERN EUROPE
FIG. 68
YOKE TURNING

FIG. 69
UNIVERSAL SPINDLE WITH WOBBLER – HIRTH SERRATION
FIG. 70
HIRTH SERRATION

FIG. 71
UNIVERSAL SPINDLE DIAMETER 550 MM
FIG. 72
UNIVERSAL SPINDLE
FOR BAR MILL
STAND # 8-9-10
DIAMETER 350 MM

FIG. 73
UNIVERSAL SPINDLE DIAMETER 285 MM
FIG. 74
COMPLETE SUPPLY OF UNIVERSAL SPINDLE DIAMETER 315 MM FOR CONTINUOUS CASTING
FIG. 75-76

UNIVERSAL SPINDLE IN OPERATION
DIAMETER 315 MM FOR DOWNSCOILER

CUSTOMER:
SSI - THAILAND
FIG. 77
COMPANION FLANGES MADE IN 42CrMo4
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