

Nomenclature & Coding



Introduction

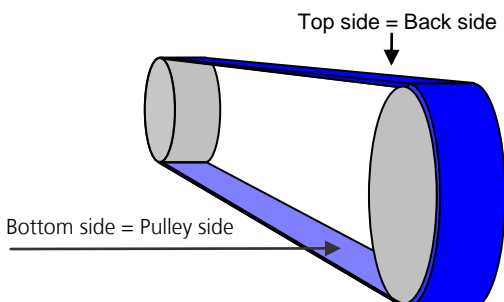
The nomenclature explains in detail the structure of the article code system of Ammeraal Beltech for the product group RAPPLON® High Performance Flat Belts. The nomenclature is always used in combination with the article code of the belt.

Structure of nomenclature

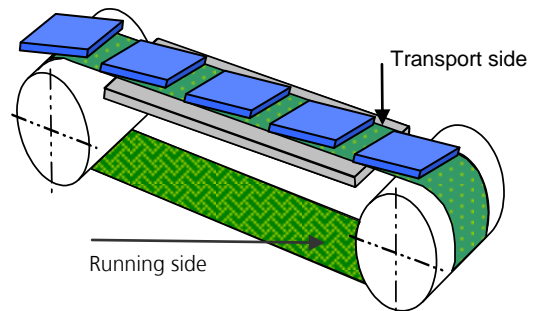
GG E08.20 RRQ	G	G	E	08	.20	R	R	Q	
GG E35.30 RRQ	G	G	E	35	.30	R	R	Q	
TG E04.12 RQ	T	G	E	04	.12		R	Q	
TT S04.12 C	T	T	S	04	.12			C	
GG S22 LRC	G	G	S	22		L	R	C	AX
LL S18 C	L	L	S	18				C	
UU N08 RSQ FG	U	U	N	08		R	S	Q	FG
TT E09.18 Q	T	T	E	09	.18			Q	
GG N27 RFQ	G	G	N	27		R	F	Q	
UV E06.13 FQ	U	V	E	06	.13	F		Q	
TG P07.60 RC	T	G	P	07	.60		R	C	
TG E12.65 FC	T	G	E	12	.65		F	C	
GG E10.30 RRQ	G	G	E	10	.30	R	R	Q	
1	Cover material pulley side / running side								
2	Cover material back / transport side								
3	Material tensile member								
4	Tensile strength in N/mm at 1% elongation Tensile strength in $\frac{1}{10}$ N/mm at 6% for non tensile belts								
5	Total thickness of belt in 1/10 mm								
6	Surface finish running/pulley side, not mentioned for fabrics								
7	Surface finish back/transport side, not mentioned for fabrics								
8	Splicing / Joining								
9	Additional remarks								

» Definition of bottom and top side of a flat belt

Power transmission



Process / Transport belt



Nomenclature

» 1 Type of cover materials on running / pulley side

P=	Polyamide foil	
T=	Textile/Fabric	mainly Polyester or Polyamide but also mixed fabrics
G=	Synthetic rubber	NBR or XNBR quality
L=	Chrome leather	
U=	Polyurethane	

» 2 Type of cover materials on back / transport side

P=	Polyamide foil	
T=	Textile/Fabric	mainly Polyester or Polyamide but also mixed fabrics
G=	Synthetic rubber	NBR or XNBR quality
L=	Chrome leather	
U=	Polyurethane	
V=	Vlies/Fleece	

» 3 Tensile member material

The indications of tensile member material for RAPPLON® High Performance Flat Belts stand in front of the tension value:

S = Stretched polyamide foil	= strength indicated in N/mm at 1% elongation
P = Polyamide fabric	= strength indicated in N/mm at 1% elongation
E = Polyester fabric	= strength indicated in N/mm at 1% elongation
N = No specific tensile member, different layers define strength	= strength indicated in $\frac{1}{10}$ N/mm at 6% elongation

» 4 Tensile strength at elongation (k1% or k6% value)

The force/elongation value mentioned is the dynamic force needed for 1% elongation in N/mm (6% elongation in $\frac{1}{10}$ N/mm for non tensile member items) after running in according standard EN-1723.

» 5 Total thickness

The total thickness of an item indicated in $\frac{1}{10}$ mm is helpful for an easy belt selection in applications where thickness is an important requirement. We defined following applications: tangential belts in textile industry, roller drive belts, folder gluer belts, web folder tapes and tube winder belts. Thickness is not indicated on elastic belts as the thickness varies depending on elongation.

The exact belt thickness is measured according DIN 53353 and can be found on every data sheet. Tolerances are defined for each item.

» 6 Surface finish of running / pulley side

R	= Rough / coarse structure
F	= Fine structure
S	= Smooth
L	= Longitudinal grooves
P5	= Structure type

The surface finish is not mentioned for fabric / textile cover materials

Nomenclature

» 7 Surface finish of back / transport side

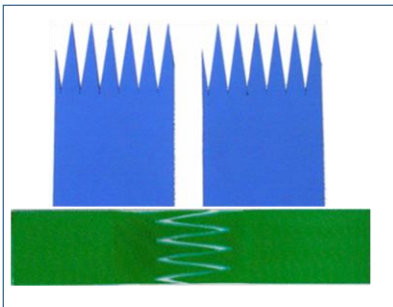
- R = Rough / coarse structure
- F = Fine structure
- S = Smooth
- P5 = Structure type

The surface finish is not mentioned for fabric / textile cover materials

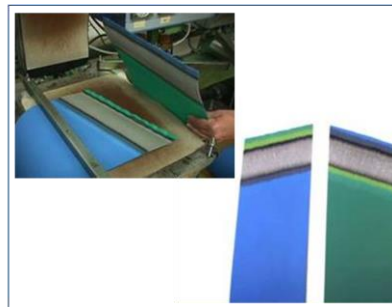
» 8 Joining / Splicing

- | | |
|-------------------|-------------------|
| C = ClassicSplice | skived and glued |
| Q = QuickSplice | thermo-spliceable |

QuickSplice



Classic splice



» 9 Additional information / Attributes

Characters are used for the additional information. To find out more details of a belt type, always refer to the specific belt data sheet.

- HC = High conductive
- AX = ATEX-approved
- FG = Food grade

All RAPPLON High Performance Flat Belts are antistatic therefore it is not specifically mentioned.

Article code

» General

Every product has its own unique article code of 10 characters:

- FB = Flat Belts
- XX = Cover material bottom / top (Note: Polyamide foil e.g. S09 = SF)
- XXXXXX = specific item number e.g. 054624

Manufacturing Units are responsible for the assignment of a specific article code to a specific product and new numbers will be created by the MU where a new product has been developed.