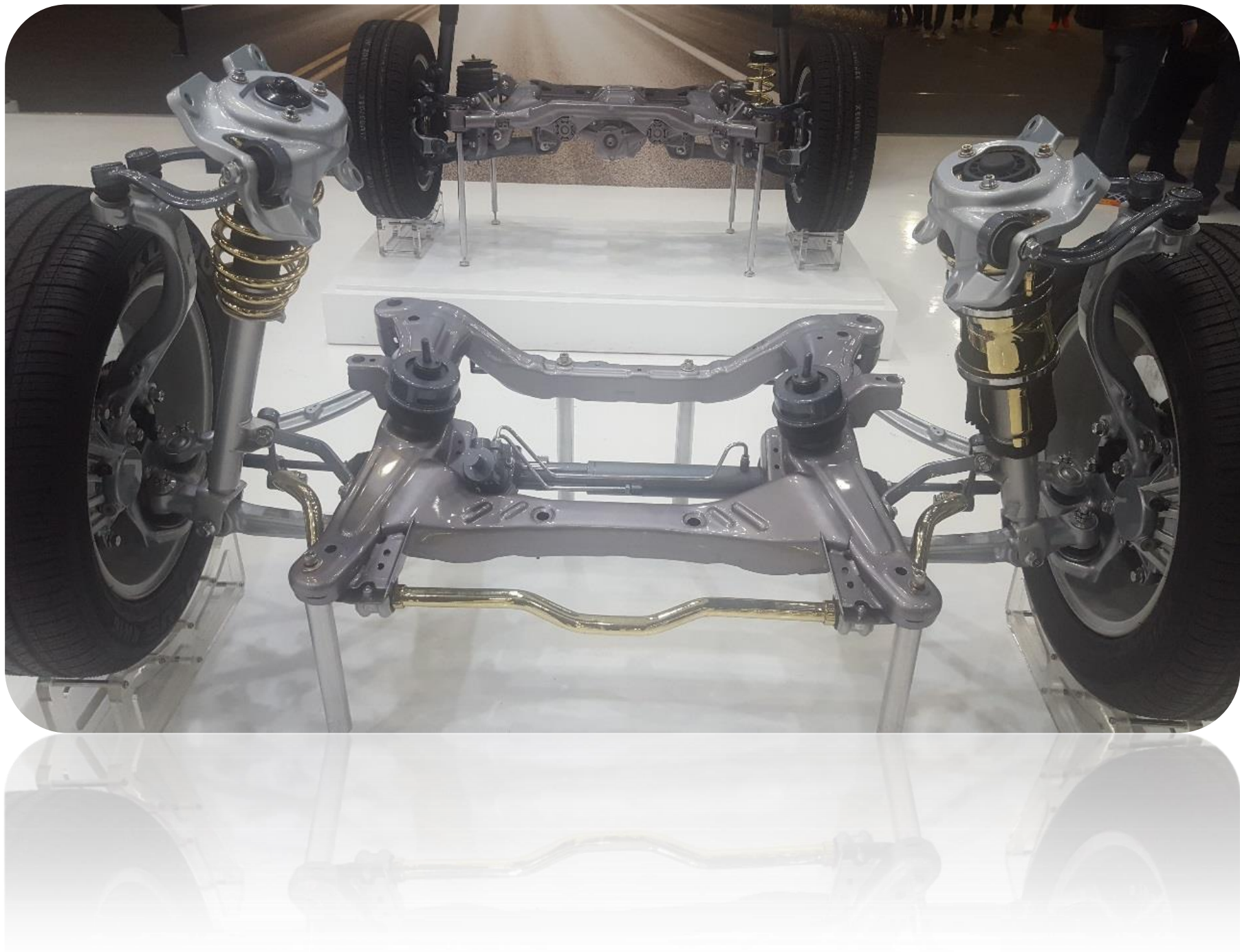


STABILIZER



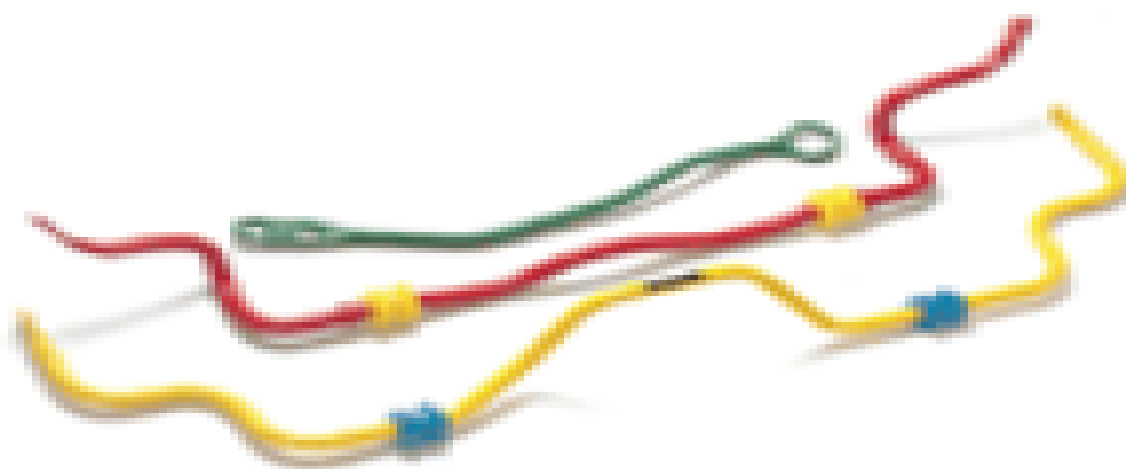
1. Introduction

Stabilizer that is mounted to reduce the shaking of the car from side to side.

It used on both front and rear wheels, both ends of the torsion bar spring are attached to the suspension. It works when the left and right wheels exhibit different movements and serves to prevent the sway of bodywork.

<Effect>

Prevent body sting, Increase ride comfort, Maintain tire grip



2. Chemical composition(wt%)

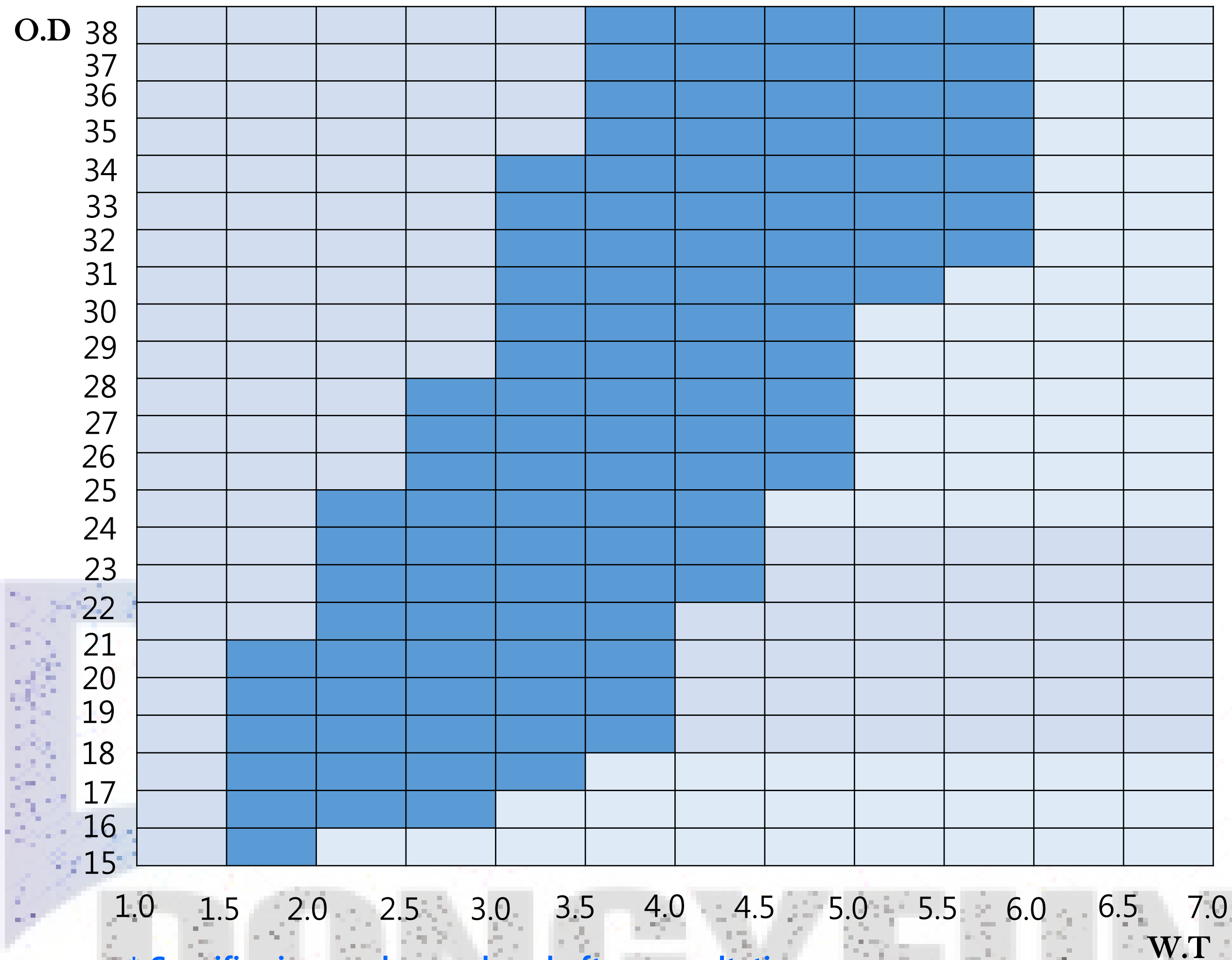
Grade	C	Si	Mn	P	S	Cr	Cu	Ti	Al	B
26MnB5	0.24 ~ 0.28	0.2 ~ 0.3	1.1 ~ 1.4	Max 0.02	Max 0.02	0.1 ~ 0.2	Max 0.25	0.02 ~ 0.03	Max 0.06	0.002 ~ 0.004
34MnB5	0.3 ~ 0.38	0.2 ~ 0.3	1.2 ~ 1.5	Max 0.02	Max 0.02	0.1 ~ 0.2	Max 0.25	0.02 ~ 0.04	Max 0.06	0.002 ~ 0.004

3. Mechanical properties

Grade	TS	YS	EL	Roughness	Grain size
26MnB5	490 ~ 680 Mpa	Min 400 Mpa	Min 20%	InSide (RZ Max 10µm)	Austenite grain Size => 9 or finer
34MnB5	550 ~ 750 Mpa	Min 400 Mpa		OutSide (RZ Max 20µm)	

4. Size Range

Grade	O.D.	W.T.	Remark
Size Range	Ø16 ~ Ø40	3T ~ 6T	Tolerance can be changed according to customers' requirement
Spec	±0.08	±0.08	



* Specific size can be produced after consultation

W.T

6. Strengths

- Heat treatment facility



Facility Spec.

- ◆ Non-decarburization furnace
- ◆ Source : LNG / RX-GAS
- ◆ Facility length : 125M
 - > Feeding length : 24M
- ◆ Capability : 10Ton / hr

★ It is the only company in Korea that can manage decarburization

- Non-destructive inspection



Facility Spec.

- ◆ UT (1 unit)
 - Full body Ultrasonic
 - Inspection speed : 20 ~ 120MPM
 - Inspection range
 - > O.D 20mm ~ 180mm
- ◆ ECT (2 units)
 - Inspection range
 - > O.D 15.8mm ~ 90mm

★ We conduct UT/ECT process according to customers' requirement

7. Manufacturing process



1

<Incoming inspection>



2

<Heat treatment>



3

<Pickling>



4

<Swazing>



5

<Cold-drawn>



6

<Strengthen>



7

<S.R.A>



8

<Strengthen>



9

<Cutting>



10

<N.D.T>



11

<Cutting>



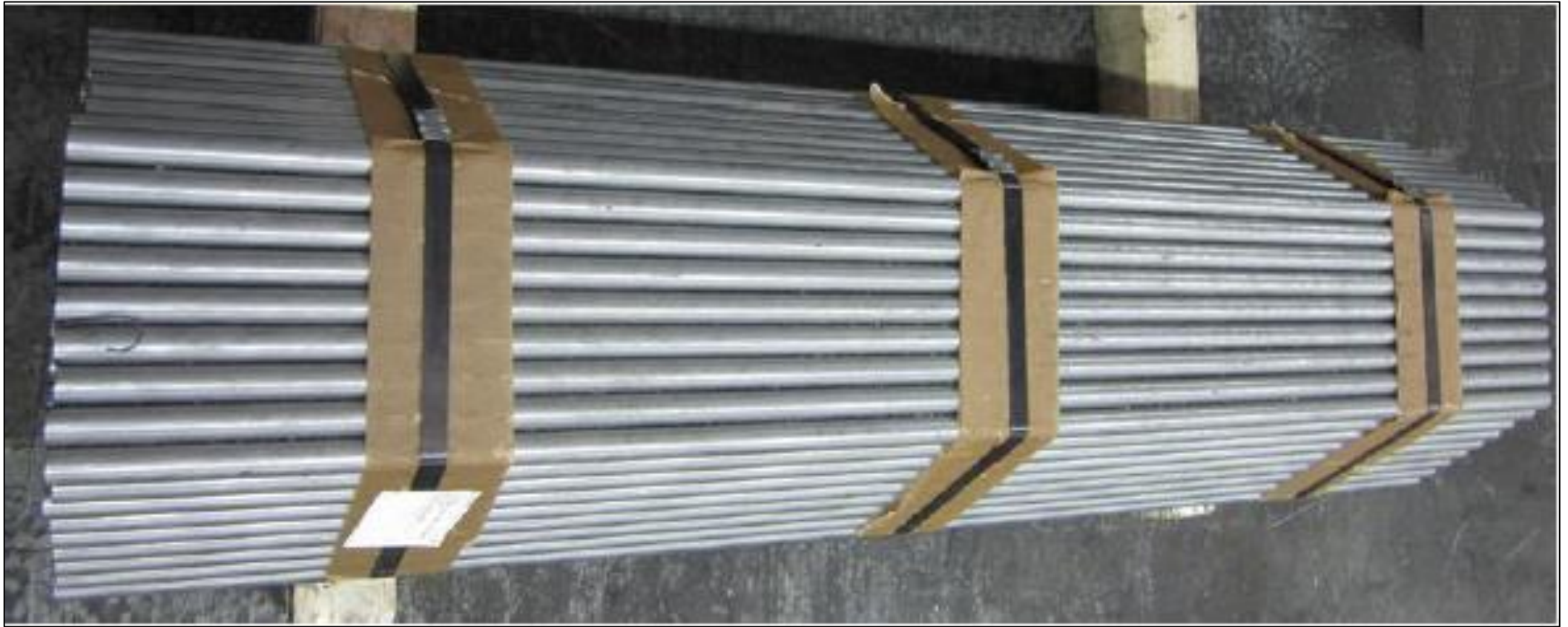
12

<Packing>

8. Delivery Condition : ERW Cold Drawing + N

WORLDWIDE LEADER

9. Packing



<Hexagonal packing>



<Figure>

DONGYEUN **DONGYEUN STEEL CO.,LTD.**

동연스틸(Cold-drawn Dep.)

부산시 기장군 명례산단 7로16 Tel : 051. 723. 7800

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