



**The Committee on Safeguard Measures Notification
on the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils
(No. 3)
B.E. 2556 (A.D. 2013)**

Whereas the Committee on Safeguard Measures of Thailand (hereinafter referred to as the “Committee”) had issued the Notification on the Imposition of Provisional Safeguard Measures Against Increased Imports of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements such as Boron, Chromium, etc., in Coils and Not in Coils B.E.2556 (A.D.2013) (hereinafter referred to as the “Committee Notification”) dated 22 February 2013, as amended by the Committee Notification No. 2 B.E. 2556 (A.D.2013) dated 31 May 2013 imposing an *ad valorem* provisional safeguard duty of 33.11 per cent of C.I.F. price on imports of hot rolled steel flat products with certain amounts of alloying elements such as boron, chromium, etc., in coils and not in coils (hereinafter referred to as “the products concerned”) with the exemption of imports of the products concerned as specified in Annex I, Annex II and Annex III to the said Committee Notification from the imposition of provisional safeguard measures;

Now, the Committee reached a determination on 26 June 2013 as follows;

(1) The import share of the Russian Federation already accounted for more than 3 per cent of total imports of the products concerned which is above a *de minimis* import volume exemption pursuant to Article 32 of the Safeguard Measures on Increased Imports Act B.E. 2550 (A.D. 2007).

(2) The list of importers of the products concerned imported into Thailand for cold rolling process and for hardening process and as special grade steels shall be amended and the standards and steel grades of the products concerned classified as special grade steels to be exempted from the imposition of provisional safeguard measures shall be added.

In exercise of the powers conferred by Article 6 (1), Article 23 and Article 32 of the Safeguard Measures on Increased Imports Act of Thailand B.E. 2550 (A.D.2007), the Committee hereby issues the Notification as follows:

1. This Notification shall be called “*The Committee on Safeguard Measures Notification on the Imposition of Provisional Safeguard Measures Against Increased Imports of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements such as Boron, Chromium, etc., in Coils and Not in Coils (No. 3) B.E. 2556 (A.D. 2013)*”.

2. This Notification shall enter into force on the day following its publication in the Royal Gazette.

UNOFFICIAL TRANSLATION

3. The Russian Federation, whose name appeared at No.79 in the list of developing countries exempted from the imposition of provisional safeguard measures specified in Annex I to the Committee Notification B.E. 2556 (A.D. 2013) dated 22 February 2013 shall be dropped from the list and the provisional safeguard duty at the rate stipulated in No.3 of the Committee Notification B.E. 2556 (A.D. 2013) dated 22 February 2013 shall be imposed on imports of the products concerned originating in or exported from the Russian Federation.

4. The Annex II and Annexed III to the Committee Notification B.E. 2556 (A.D.2013) dated 22 February B.E. 2556 (A.D.2013), as amended by the Committee Notification (No.2) B.E.2556 (A.D.2013) shall be revoked and superseded by the Annexes to this Notification.

This Notification is made on 18 July B.E.2556 (A.D. 2013)

(SIGNED)

(Mr. Niwatthamrong Boonsongpaisan)

Minister of Commerce

Chairman of the Committee on Safeguard Measures of Thailand

**The Annex II to the Committee on Safeguard Measures Notification
On the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils**

(No. 3)

B.E. 2556 (A.D. 2013)

Names of Importers of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Exempted from the Imposition of Provisional Safeguard Duty	
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Cold Rolling Process	
1.	Thai Cold Rolled Steel Sheet Public Company Limited
2.	Siam United Steel (1995) Co., Ltd.
3.	NS BlueScope (Thailand) Limited
4.	Starcore Co., Ltd.
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for the Automobile Industry	
1.	Toyota Tsusho (Thailand) Co., Ltd.
2.	MC Metal Service Asia (Thailand) Co., Ltd.
3.	Summit Advanced Materials Co., Ltd.
4.	Siam Lotus Co., Ltd.
5.	Nissan Motor (Thailand) Co., Ltd.
6.	Siam Nippon Steel Pipe Co., Ltd.
7.	Honda Trading Asia Co., Ltd.
8.	Thai Steel Pipe Industry Co., Ltd.
9.	United Coil Center Limited
10.	Siam Steel Service Center Public Company Limited
11.	Thai Steel Service Center Ltd.
12.	Central Metals (Thailand) Co., Ltd.
13.	SB Coil Center (Thailand) Ltd.
14.	Bangkok Coil Center Co., Ltd.
15.	CS. Metal Co., Ltd.
16.	Mitsui Siam Components Co., Ltd.
17.	Premium Steel Processing Co., Ltd.
18.	Hanwa Steel Service (Thailand) Co., Ltd.

The Annex II to the Committee on Safeguard Measures Notification
On the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Names of Importers of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Exempted from the Imposition of Provisional Safeguard Duty	
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for the Automobile Industry	
19.	Steel Alliance Service Center Co., Ltd.
20.	Kanemitsu (Thailand) Co., Ltd.
21.	Nanachart Traders Consolidation Ltd.
22.	Sumitomo Corporation Thailand Co., Ltd.
23.	N.H.K. Steel Co., Ltd.
24.	Unity Industrial Co., Ltd.
25.	Nitco Siam Co., Ltd.
26.	Marubeni – Itochu Steel Pte Limited Bangkok Branch
27.	CH Radiators Co., Ltd.
28.	CH Autopart Co., Ltd.
29.	Bangkok Pacific Steel Co., Ltd.
30.	CSP Steel Center Public Co., Ltd.
31.	CH. Auto Industry Co., Ltd.
32.	Diamond Dimension Co., Ltd.
33.	Tenhiko Industrial (Thailand) Co., Ltd.
34.	Asno Horie (Thailand) Co., Ltd.
35.	Aibel Co., Ltd.
36.	DENSO (Thailand) Co., Ltd.
37.	Yorozu (Thailand) Co., Ltd.
38.	Eastern Prosperity Co., Ltd.
39.	Juthawan Molutec (Thailand) Co., Ltd.
40.	Sunstar Engineering (Thailand) Co., Ltd.
41.	Siam Kayaba Co., Ltd.
42.	Autrans (Thailand) Co., Ltd.
43.	Exedy (Thailand) Co., Ltd.

**The Annex II to the Committee on Safeguard Measures Notification
On the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils**

(No. 3)

B.E. 2556 (A.D. 2013)

Names of Importers of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Exempted from the Imposition of Provisional Safeguard Duty	
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for the Automobile Industry	
44.	Toacs (Thailand) Co., Ltd.
45.	Nakagawa-APM (Thailand) Co., Ltd.
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels	
1.	Tenhiko Industrial (Thailand) Co., Ltd.
2.	Juthawan Co., Ltd.
3.	Juthawan Molitec (Thailand) Co., Ltd.
4.	ThyssenKrupp Materials (Thailand) Co., Ltd.
5.	Sin Thai Special Steel Co., Ltd.
6.	Sahamit Machinery Public Company Limited
7.	Best Tech & Engineering Ltd.
8.	S.C.S. Fabrication Co., Ltd.
9.	Pacific Special Steel Co., Ltd.
10.	ASSAB Steels (Thailand) Ltd.
11.	Oriental Special Steel Ltd.
12.	Daido PDM (Thailand) Co., Ltd.
13.	Thaisakol B and B Co., Ltd.
14.	Bangkok Special Steel Co., Ltd.
15.	Kimann Specialty Metals (Thailand) Co., Ltd.
16.	BOSUN Tool (Thailand) Co., Ltd.
17.	Bisalloy (Thailand) Co., Ltd.
18.	Loyal Contact Limited
19.	Visavakit Patana Corporation Limited
20.	Special Steel Center Co., Ltd.

The Annex II to the Committee on Safeguard Measures Notification
On the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Names of Importers of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Exempted from the Imposition of Provisional Safeguard Duty	
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels	
21.	Umetoku (Thailand) Co., Ltd.
22.	Pipe Supports Asia Limited
23.	Hiwa (Thailand) Co., Ltd.
24.	CBI (Thailand) Limited
25.	Fujimaki Steel (Thailand) Co., Ltd.
26.	Special Steel and Services Co., Ltd.
27.	M & P Total Supply Co., Ltd.
28.	Central Metals (Thailand) Ltd.
29.	AWACS Corporation Ltd.
30.	Furukawa Unic (Thailand) Co., Ltd.
31.	Unimit Engineering Public Company Limited
32.	Kijchailohaphan Co., Ltd.
33.	PTT Global Chemical Public Company Limited
34.	Metal One (Thailand) Co., Ltd.
35.	Sato-Shoji (Thailand) Co., Ltd.
36.	Wattana Paisan Engineering Co., Ltd.
37.	Practicum Engineering Co., Ltd.
38.	S.N.N. Tools & Dies Co., Ltd.
39.	SKJ Metal Industries Co., Ltd.
40.	PPP Knife and Saw Co., Ltd.
41.	Hwa Lang Ceramic Hardware Factory Co., Ltd.
42.	K.G.S Steel Co., Ltd.
43.	Thaimongkol Fasteners Co., Ltd.
44.	Intertool Technologies Co., Ltd.

The Annex II to the Committee on Safeguard Measures Notification
On the Imposition of Provisional Safeguard Measures Against Increased Imports of
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements
Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Names of Importers of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Exempted from the Imposition of Provisional Safeguard Duty	
Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels	
45.	S.A.F. Special Steels Co., Ltd.
46.	Thanasin International Co., Ltd.
47.	William Wong Group Co., Ltd.
48.	William Wong Co., Ltd

on the Imposition of Provisional Safeguard Measures Against Increased Imports of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels

Standard	Grade	Chemical Composition (%) Max or Min/Max																
		C	Si	Mn	P	S	Cr	Mo	Ni	V	B	Cu	Nb	W	Co	Al	Ti	Others (Specify)
INDUSTEEL	Superplast 300 (SP300)	0.23-0.27	0.05-0.20	1.00-1.50	< 0.02	< 0.02	1.00-2.50	0.30-0.60	< 1.00									
	Superplast HP170	0.09 max	0.099 max	3.00-4.00	0.015 max	0.01 max	2.50-3.50	< 1.00	0.329									
	Superplast HP Plus	0.13 max	0.169 max	3.00-4.00	0.015 max	0.01 max	2.50-3.50	< 1.00										
JFE-EVERHARD	EVERHARD 360	0.20 max	0.55 max	1.60 max	0.030 max	0.030 max	0.40 max				0.004 max						0.005-0.020	
	EVERHARD 400	0.25 max	0.55 max	1.60 max	0.030 max	0.030 max	0.80 max				0.004 max						0.005-0.020	
	EVERHARD 500	0.35 max	0.55 max	1.60 max	0.030 max	0.030 max	0.80 max				0.004 max						0.005-0.020	
	EVERHARD 360A	0.20 max	0.55 max	1.60 max	0.030 max	0.030 max	0.40-1.20	0.10-0.50		0.10 max	0.004 max						0.020 max	
	EVERHARD 500A	0.35 max	0.55 max	1.60 max	0.030 max	0.030 max	0.40-1.20	0.10-0.50		0.10 max	0.004 max						0.020 max	
	EVERHARD 360LE	0.17 max	0.55 max	1.60 max	0.020 max	0.010 max	0.40 max	0.35 max			0.004 max						0.020 max	
	EVERHARD 400LE	0.23 max	0.55 max	1.60 max	0.020 max	0.010 max	0.80 max	0.35 max			0.004 max						0.020 max	
	EVERHARD 500LE	0.29 max	0.55 max	1.60 max	0.020 max	0.010 max	0.40 max	0.35 max			0.004 max						0.020 max	
	EVERHARD C400	0.20 max	0.55 max	1.60 max	0.030 max	0.030 max	0.40 max				0.004 max						0.005-0.020	
EVERHARD-SP	0.35 max	0.55 max	1.60 max	0.030 max	0.030 max	0.50-1.50												
JFE-HITEN	JFE HITEN 590	0.16 max	0.15-0.55	1.50 max	0.025 max	0.015 max	0.30 max	0.30 max	1.00 max	0.08 max		0.30 max						
	JFE HITEN 610	0.16 max	0.15-0.55	1.50 max	0.025 max	0.015 max	0.30 max	0.30 max	1.00 max	0.08 max		0.30 max						
	JFE HITEN 610U2	0.09 max	0.15-0.55	1.20-1.60	0.025 max	0.010 max	0.30 max	0.30 max	0.30 max	0.06 max		0.30 max	0.03 max					
	JFE HITEN 610U2L	0.09 max	0.15-0.55	1.60 max	0.025 max	0.010 max	0.30 max	0.30 max	0.70 max	0.06 max		0.30 max	0.03 max					
	JFE HITEN 780M	0.18 max	0.35 max	1.20 max	0.015 max	0.015 max	0.80 max	0.60 max	0.30-1.50	0.05 max	0.005 max	0.50 max						
	JFE HITEN 780S	0.25 max	0.55 max	1.60 max	0.03 max	0.015 max	1.50 max	0.60 max	0.50 max	0.10 max	0.005 max	0.50 max					0.03 max	
	JFE HITEN 780LE	0.20 max	0.40 max	1.40 max	0.025 max	0.015 max	0.20 max	0.15 max		0.08 max	0.005 max							
	JFE HITEN 980S	0.18 max	0.35 max	1.20 max	0.02 max	0.015 max	0.80 max	0.80 max	2.00 max	0.08 max	0.005 max	0.70 max	0.02 max					
JFE-EH	JFE-EH360 JFE-EH400C	0.20 max	0.55 max	1.60 max	0.030 max	0.030 max	0.40 max				0.004 max						0.005-0.020	
	JFE-EH400	0.25 max	0.55 max	1.60 max	0.030 max	0.030 max	0.80 max				0.004 max						0.005-0.020	
CAT	1E0577	0.10-0.21	0.15-0.45	0.70-1.50	0.035 max	0.035 max	0.90 max	0.60 max	0.70 max	0.08 max	0.0005-0.006	0.50 max	0.06 max				0.06 max	
	1E1839	0.17 max	0.10-0.70	1.50 max	0.02 max	0.01 max	0.70 max	0.35 max		0.07 max	0.0005-0.005							
	1E1032	0.21 max	0.40 max	1.40 max	0.035 max	0.03 max	0.20 max	0.15 max		0.07 max	0.003 max							
	1E0682	0.13-0.20	0.15-0.45	1.00-1.40	0.035 max	0.03 max	0.20 max	0.15 max		0.07 max	0.0005-0.003							
	1E1247	0.18 max	0.40 max	1.70 max	0.025 max	0.01 max	0.70 max	0.35 max		0.15 max	0.0005-0.003		0.08 max					
Nisshin steel co., Ltd's Boron Steel	N22CB	0.20-0.25	0.25 max	0.30-0.60	0.020 max	0.020 max	0.20-0.40				0.002-0.005							
	N28CB	0.26-0.30	0.25 max	0.30-0.60	0.030 max	0.030 max	0.20-0.40				0.001-0.005							
	N36CB	0.33-0.38	0.25 max	0.40-0.70	0.030 max	0.030 max	0.40-0.70				0.001-0.005							

Annex III to the Committee on safeguard Measures Notification

on the Imposition of Provisional Safeguard Measures Against Increased Imports of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels																		
Standard	Grade	Chemical Composition (%) Max or Min/Max																
		C	Si	Mn	P	S	Cr	Mo	Ni	V	B	Cu	Nb	W	Co	Al	Ti	Others (Specify)
Bisalloy	Bisplate 60	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 70	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 80	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 80 PV	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 320	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 400	0.20 max	0.25 max	1.50 max	0.025 max	0.008 max	1.20 max	0.25 max			0.002 max							
	Bisplate 450	0.25 max	0.60 max	1.20 max	0.025 max	0.008 max	1.20 max	0.35 max	0.25 max		0.002 max							
	Bisplate 500	0.32 max	0.35 max	0.40 max	0.025 max	0.008 max	1.20 max	0.30 max	0.35 max		0.002 max							
Hardox	Hardox 400	0.32 max	0.70 max	1.60 max	0.025 max	0.010 max	1.40 max	0.60 max	1.50 max		0.004 max							
	Hardox 450	0.26 max	0.70 max	1.60 max	0.020 max	0.010 max	1.40 max	0.60 max	1.00 max		0.005 max							
	Hardox 500	0.30 max	0.70 max	1.60 max	0.020 max	0.010 max	1.50 max	0.60 max	1.50 max		0.005 max							
Weldox	Weldox 700	0.20 max	0.60 max	1.60 max	0.020 max	0.010 max	0.70 max	0.70 max	2.00 max		0.005 max	0.30 max						
	Weldox 900	0.20 max	0.50 max	1.60 max	0.020 max	0.010 max	0.70 max	0.70 max	1.50 max	0.06 max	0.005 max	0.30 max	0.04 max		0.018 min	0.04 max	N = 0.01 max	
Domex	Domex Wear 400	0.17 max	0.50 max	1.60 max	0.020 max	0.005 max					0.004 max							
	Domex 700 MC	0.12 max	0.10 max	2.10 max	0.025 max	0.010 max				0.20 max		0.09 max			0.015 min	0.15 max		
Toolox	Toolox 33	0.22-0.24	0.60-1.00	0.80	0.01 max	0.003 max	1.00-1.20	0.30	1.00 max	0.10-0.11								
	Toolox 40	0.28	1.12	0.61	0.008	0.001	1.22	0.485	0.70	0.116								
	Toolox 44	0.32	0.60-1.10	0.80	0.01 max	0.003 max	1.35	0.80	1.00 max	0.14								
WEL-TEN	WEL-TEN590	0.16 max	0.55 max	2.00 max	0.03 max	0.025 max	0.50 max	0.40 max	1.20 max	0.10 max	0.005 max	0.50 max	0.05 max					
	WEL-TEN610	0.16 max	0.55 max	2.00 max	0.03 max	0.025 max	0.50 max	0.40 max	1.20 max	0.10 max	0.005 max	0.50 max	0.05 max					
	WEL-TEN690	0.16 max	0.55 max	2.00 max	0.03 max	0.025 max	0.60 max	0.60 max	1.30 max	0.10 max	0.005 max	0.50 max	0.05 max					
	WEL-TEN780	0.16 max	0.55 max	2.00 max	0.02 max	0.015 max	0.80 max	0.60 max	≤100, 0.40-2.00 >100, 0.40-3.00	0.10 max	0.005 max	0.50 max	0.05 max					
	WEL-TEN950	0.16 max	0.55 max	2.00 max	0.015 max	0.010 max	1.20 max	0.90 max	≤100, 0.50-3.50 >100, 0.50-4.50	0.10 max	0.005 max	0.50 max	0.03 max					
	WEL-TEN590E	0.18 max	0.55 max	2.00 max	0.030 max	0.025 max												
	WEL-TEN690E	0.18 max	0.55 max	2.00 max	0.030 max	0.025 max	1.60 max	0.60 max		0.10 max	0.005 max	0.50 max						
	WEL-TEN780E	0.22 max	0.55 max	2.00 max	0.025 max	0.015 max	1.60 max	0.60 max		0.10 max	0.005 max	0.50 max						
	WEL-TEN950E	0.22 max	0.55 max	2.00 max	0.025 max	0.020 max	1.60 max	1.10 max		0.10 max	0.005 max	0.50 max						
	WEL-TEN AR400E	0.25 max	0.55 max	2.00 max	0.025 max	0.015 max	1.20 max	0.60 max			0.005 max							

Annex III to the Committee on safeguard Measures Notification

on the Imposition of Provisional Safeguard Measures Against Increased Imports of Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils

(No. 3)

B.E. 2556 (A.D. 2013)

Hot Rolled Steel Flat Products with Certain Amounts of Alloying Elements Such as Boron, Chromium, etc., in Coils and Not in Coils Imported for Hardening Process and as Special Grade Steels

Standard	Grade	Chemical Composition (%) Max or Min/Max																
		C	Si	Mn	P	S	Cr	Mo	Ni	V	B	Cu	Nb	W	Co	Al	Ti	Others (Specify)
WEL-HARD	WEL-HARD 400	0.22 max	0.55 max	2.00 max	0.025 max	0.015 max	1.20 max	0.60 max			0.005 max		0.05 max					
	WEL-HARD 500	0.35 max	0.55 max	2.00 max	0.025 max	0.010 max	1.20 max	0.60 max			0.005 max		0.05 max					
ABREX	ABREX 400	0.21 max	0.70 max	2.00 max	0.025 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 450	0.23 max	0.70 max	2.00 max	0.025 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 500	0.35 max	0.70 max	2.00 max	0.015 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 600	0.45 max	0.70 max	2.00 max	0.015 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 400LT	0.21 max	1.20 max	2.00 max	0.020 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 450LT	0.28 max	1.20 max	2.00 max	0.020 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
	ABREX 500LT	0.35 max	1.20 max	2.00 max	0.015 max	0.010 max	1.20 max	0.60 max	1.00 max		0.005 max							
TNHT	TNHT590	0.20 max	0.55 max	2.00 max	0.035 max	0.035 max												
	TNHT690-A	0.20 max	0.55 max	2.00 max	0.035 max	0.035 max												
SLMITEN	SUMITEN610F	0.04-0.09	0.05-0.35	0.90-1.60	0.030 max	0.025 max	0.30 max	0.35 max	0.80 max	0.10 max		0.50 max						
	SUMITEN780	0.16 max	0.55 max	1.20 max	0.020 max	0.015 max	0.30-0.80	0.10-0.60	t≤100, 0.30-1.50 t>100, 0.40-2.00	0.10 max	0.005 max	0.15-0.50						
	SUMITEN780S	0.18 max	0.55 max	t≤100, 1.20 max t>100, 1.50 max	0.025 max	0.015 max	0.50-1.20	0.10-0.60		0.10 max	0.005 max	0.15-0.50						
	SUMITEN780M	0.20 max	0.55 max	2.00 max	0.025 max	0.015 max	1.60 max	0.60 max		0.10 max	0.005 max	0.50 max						
	SUMITEN950S	0.20 max	0.55 max	2.00 max	0.015 max	0.010 max	1.60 max	0.90 max		0.10 max	0.005 max	0.50 max						
	SUMITEN980S	0.20 max	0.55 max	2.00 max	0.015 max	0.010 max	1.60 max	0.90 max		0.10 max	0.005 max	0.50 max						
SUMIHARD	SUMIHARD-K400	0.21 max	0.70 max	1.60 max	0.025 max	0.010 max					0.003 max							
	SUMIHARD-K450	0.23 max	0.70 max	1.60 max	0.025 max	0.010 max					0.003 max							
	SUMIHARD-K500	0.35 max	0.70 max	1.60 max	0.025 max	0.010 max					0.003 max							
Voestalpine (Plate)	Alform 700M	0.12 max	0.60 max	2.10 max	0.020 max	0.008 max	1.50 max	0.50 max	2.00 max	0.12 max	0.005 max	0.06 max			0.020 min	0.050 max		
	Alform 960M X-treme	0.12 max	0.60 max	1.70 max	0.020 max	0.008 max	1.50 max	0.70 max	2.00 max	0.12 max	0.005 max	0.06 max			0.020 min	0.050 max		
	Alform 1100M X-treme	0.12 max	0.60 max	1.70 max	0.020 max	0.008 max	1.50 max	0.70 max	2.00 max	0.12 max	0.005 max	0.06 max						
	Aldur 700 Q, QL, QL1	0.20 max	0.80 max	1.70 max	0.020 max	0.010 max	1.50 max	0.70 max	2.00 max	0.12 max	0.005 max	0.50 max	0.06 max		0.018 min	0.050 max	Zr = 0.15 max N = 0.015 max	
	Durostat 400	0.18 max	0.60 max	2.10 max	0.025 max	0.010 max	1.00 max	0.50 max			0.005 max				0.020 min	0.050 max		
	Durostat 450	0.22 max	0.60 max	2.10 max	0.025 max	0.010 max	1.00 max	0.50 max			0.005 max				0.020 min	0.050 max		
	Durostat 500	0.30 max	0.60 max	2.10 max	0.025 max	0.010 max	1.00 max	0.50 max			0.005 max				0.020 min	0.050 max		

