

PLATE

STEEL PLATE PRODUCT CATALOGUE

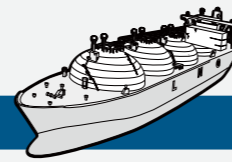
*KRAKATAU POSCO is committed to customer satisfaction.
We deliver world-class plate products that meet the needs of our worldwide customer.*



**BUILDING THE NATION,
EMPOWERING THE PEOPLE**



STEEL PLATE FOR SHIPBUILDING



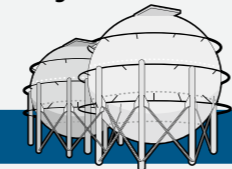
Shipbuilding Plate

Specification	Supply Condition	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
A	As-Rolled	400-520	≥235	6 - 10
B				10 - 15
D				15 - 20
D-TM	TMCP	440-590	≥315	20 - 25
E-TM				25 - 30
AH32				30 - 40
AH32-TM	As-Rolled	440-570 (KR, VL)	≥315	6 - 10
DH32	10 - 15			
DH32-TM	TMCP			15 - 20
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	20 - 25
DH32-TM	TMCP			25 - 30
DH32-TM	TMCP			30 - 40
DH32-TM	As-Rolled	490-630 (KR, VL)	≥355	40 - 49
DH32-TM	TMCP			6 - 10
DH32-TM	TMCP			10 - 15
DH32-TM	As-Rolled	510-650	≥390	15 - 20
DH32-TM	TMCP			20 - 25
DH32-TM	TMCP			25 - 30
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	30 - 40
DH32-TM	TMCP			40 - 49
DH32-TM	TMCP			6 - 10
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	10 - 15
DH32-TM	TMCP			15 - 20
DH32-TM	TMCP			20 - 25
DH32-TM	As-Rolled	490-630 (KR, VL)	≥355	25 - 30
DH32-TM	TMCP			30 - 40
DH32-TM	TMCP			40 - 49
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	6 - 10
DH32-TM	TMCP			10 - 15
DH32-TM	TMCP			15 - 20
DH32-TM	As-Rolled	490-630 (KR, VL)	≥355	20 - 25
DH32-TM	TMCP			25 - 30
DH32-TM	TMCP			30 - 40
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	40 - 49
DH32-TM	TMCP			6 - 10
DH32-TM	TMCP			10 - 15
DH32-TM	As-Rolled	490-630 (KR, VL)	≥355	15 - 20
DH32-TM	TMCP			20 - 25
DH32-TM	TMCP			25 - 30
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	30 - 40
DH32-TM	TMCP			40 - 49
DH32-TM	TMCP			6 - 10
DH32-TM	As-Rolled	490-630 (KR, VL)	≥355	10 - 15
DH32-TM	TMCP			15 - 20
DH32-TM	TMCP			20 - 25
DH32-TM	As-Rolled	490-620 (KR, VL)	≥355	25 - 30
DH32-TM	TMCP			30 - 40
DH32-TM	TMCP			40 - 49

Certified by:

- Biro Klasifikasi Indonesia
- American Bureau of Shipping
- Bureau Veritas
- DNV-GL
- Korean Register
- Lloyd's Register
- CR Classification Society
- Class NK
- RINA

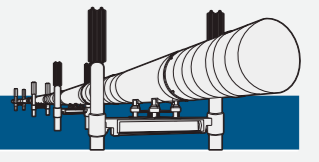
STEEL PLATE FOR PRESSURE VESSEL



ASTM Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
ASTM A285 Pressure Vessel Plates, Carbon Steel, Low and Intermediate Tensile Strength			
A285C	380-515	≥205	6-50
ASTM A515 Pressure Vessel Plates, Carbon Steel, for Intermediate and Higher Temperature Service			
A515-60	415-550	≥220	6-50
A515-65	450-585	≥240	6-50
A515-70	485-620	≥260	6-50
ASTM A516 Pressure Vessel Plates, Carbon Steel, for Moderate and Lower Temperature Service			
A516-55	380-515	≥205	6-40
A516-60	451-550	≥220	6-40
A516-65	450-585	≥240	6-40
A516-70	485-620	≥260	6-40

STEEL PLATE FOR PIPELINE



API Plate

Specification	Tensile Strength (MPa)	Yield Strength (MPa)	Thickness (mm)
API-2W Steel Pipe for Offshore Structure (API-2W 5th Edition)			
		t≤25	25<t≤60mm
API-2W - Grade 50	≥448	345-517	345-483
			6-60
API 5L Steel Pipe for Pipeline Transportation System (API 5L 46th Edition) for Non-Sour Application			
API-B PSL 1	≥415	245	6-50
API-X42 PSL 1	≥415	290	6-50
API-X46 PSL 1	≥435	320	6-50
API-X52 PSL 1	≥460	360	6-50
API-BR PSL 2	415-655	245-450	6-50
API-X42R PSL 2	415-655	290-495	6-50
API 5L Steel Pipe for Pipeline Transportation System (API 5L 46th Edition) for Non-Sour Application			
API-BM PSL 2	415-655	240-450	6-50
API-X42M PSL 2	415-655	290-495	6-50
API-X46M PSL 2	435-655	320-525	6-50
API-X52M PSL 2	460-760	360-530	6-50
API-X56M PSL 2	490-760	390-545	6-50
API-X60M PSL 2	520-760	415-565	10-50
API-X65M PSL 2	535-760	450-600	10-35
API-X70M PSL 2	570-760	485-635	10-25
API 5L Steel Pipe for Pipeline Transportation System (API 5L 46th Edition Annex J) for Offshore Application			
API-X42MO PSL 2	415-655	290-495	6-50
API-X46MO PSL 2	435-655	320-520	6-50
API-X52MO PSL 2	460-760	360-525	6-50
API-X56MO PSL 2	490-760	390-540	6-50
API-X60MO PSL 2	520-760	415-565	10-50
API-X65MO PSL 2	535-760	450-570	10-35
API-X70MO PSL 2	570-760	485-605	10-25

STEEL PLATE FOR INFRASTRUCTURE



ASTM Plate

Specification	Tensile Strength (MPa)	Yield Point (Mpa)	Thickness (mm)
ASTM A36 Carbon Structural Steel			
A36	400-550	≥250	6-75
ASTM A283 Low and Intermediate Tensile Strength Carbon Steel Plates			
A283-C	380-515	≥205	6-75
A283-D	415-550	≥230	6-75
ASTM A572 High Strength Low-Alloy Nb-V Structural Steel			
A572-50	≥450	≥345	TY1 : 6-75 TY2 : 6-75 TY3 : 6-75
A572-60	≥520	≥415	10-32
A572-65	≥550	≥450	10-32

STEEL PLATE FOR INFRASTRUCTURE



ASTM Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
ASTM A573 Structural Carbon Steel Plate of Improved Toughness			
A573-70	480-620	≥290	6-40
ASTM A709 Structural Steel for Bridge			
A709-36	480-550	≥250	6-75
A709-50	≥450	≥345	TY1 : 6-75 TY3 : 6-75

JIS Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)	
JIS G3101-Rolled Steel for General Structure				
SS400	400-510	400-510	6-80	
SS490	490-610	490-610	6-75	
SS540	≥540	≥540	6-40	
JIS G3106-Rolled Steel for Welded Structure				
SM400	A	≥245	6-75	
	B	≥235	6-75	
	C	≥215	6-75	
SM490	A	≥325	6-75	
	B	490-610	6-75	
	C	≥295	6-75	
	YA	≥365	6-75	
	YB	490-610	≥355	6-75
SM520	B	≥365	6-75	
	C	≥355	6-75	
		≥335		
SM570TMC	520-720	≥460	10-25	
		≥450		
JIS G3136-Rolled Steel for Building Structure				
SN400	A	400-510	≥235, ≥215	6-75
	B	400-510	235, 235-355, 215-335	6-75
	C	400-510	235-355, 215-335	16-75
SN490	B	490-610	≥325, 325-445	6-40
	C	490-610	325-445	16-40

EN Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
EN 10025-2 Non-Alloy Structural Steel			
			t≤16 16<t≤40 40<t≤63 63<t≤75
S235JR	360-510	235	225 215 215 6-75
S235J0	360-510	235	225 215 215 6-75
S275JR	410-560	275	265 255 245 6-75
S275J0	410-560	275	265 255 245 6-75
S275J2	410-560	275	265 255 245 6-75
S355JR	470-630	355	345 335 325 6-75
S355J0	470-630	355	345 335 325 6-75
S355J2	470-630	355	345 335 325 6-75
S355K2	470-630	355	345 335 325 6-75

EN Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
EN 10025-3 Normalized/ Normalized Rolled Weldable Fine Grain Structural Steel			
			t≤16 16<t≤40 40<t≤63 63<t≤75
S275N	370-510	≥275	≥265 ≥255 ≥245 6-75
S275NL	370-510	≥275	≥265 ≥255 ≥245 6-75
S355N	470-630	≥355	≥345 ≥335 ≥325 6-75
S355NL	470-630	≥355	≥345 ≥335 ≥325 6-75
EN 10025-4 Thermomechanical Rolled Weldable Fine Grain Structural Steel			
			t<40 40<t≤63 63<t≤65 t≤16 16<t≤40 40<t≤63 63<t≤65
S275M	370-530	360-520	350-510 ≥275 ≥265 ≥255 ≥245 10-65
S275ML	370-530	360-520	350-510 ≥275 ≥265 ≥255 ≥245 10-65
S355M	470-630	450-610	440-600 ≥355 ≥345 ≥335 ≥325 10-65
S355ML	470-630	450-610	440-600 ≥355 ≥345 ≥335 ≥325 10-65
S420M*	520-680	450-610	440-600 ≥420 ≥400 ≥390 ≥380 10-65
S420ML*	520-680	500-660	480-640 ≥420 ≥400 ≥390 ≥380 10-65
S460M*	540-720	530-710	510-690 ≥460 ≥440 ≥430 ≥410 10-65
S460ML*	540-720	530-710	510-690 ≥460 ≥440 ≥430 ≥410 10-65

(*) Need further discussion for thickness above 40mm and below 15mm

AS/NZS Plate

Grade Designation	Tensile Strength (MPa)	Yield Stress (MPa)	Thickness (mm)
AS/NZS 3678:2016 Structural Steel – Hot-Rolled Plates, Floorplates and Slabs			
			t≤20 6<t≤20 6≤t≤8 8<t≤12 12<t≤20 20<t≤32 32<t≤50 50<t≤75
250	≥410	≥410	≥280 ≥260 ≥250 ≥250 ≥250 ≥240 6-75
300	≥430	≥430	≥320 ≥310 ≥300 ≥280 ≥280 ≥270 6-75
350	≥450	≥450	≥360 ≥360 ≥350 ≥340 ≥340 ≥340 6-75
400	≥480	≥480	≥400 ≥400 ≥380 ≥360 ≥360 ≥360 6-75
450	≥520	≥500	≥450 ≥450 ≥450 ≥420 ≥400 - 6-50

IS Plate

Specification	Tensile Strength (MPa)	Yield Point (MPa)	Thickness (mm)
IS 2062:2011 Hot Rolled Medium and High Tensile Structural Steel			
			t<20 20≤t≤40 t>40
E250		≥410	≥250 ≥240 ≥230 6-75
E350		≥410	≥350 ≥330 ≥320 6-75

SNI Plate

Thickness (mm)	Yield Strength (MPa)	Tensile Strength (MPa)
BjPS		
6-25	≥245	400-510



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