ROUND AND HEXAGONAL STAINLESS STEEL BARS

BARRE IN ACCIAIO INOX TONDE ED ESAGONALI

	Round Bars						Hexagons
	Peeled & Reeled	**Rough peeled**	**Turned**	**Cold drawn polished**	**Peeled & polished (rough ground)**	**Centreless ground**	**Cold drawn**
Size mm	20-101,60 mm 0.787″- 4”	102-390mm <4.0″- 15.354″	391-600mm <15.4″- 26.5″	4,00-25,4mm 0.157″- 1″	20-80mm 0.787″- 3.150″	4-80mm 0.157″- 3.150″	11-27 0.433″- 1.063″
Tolerance DIN EN 10278	k11-h10 DIN EN 10278	DIN 1013	DIN 1013	h9 DIN EN 10278	h9 DIN EN 10278	h9-h8-h7 DIN EN 10278	h11
Standard Length mm	3000-3100mm 6000-6200mm 12″ ≈ 4″ 20″ ≈ 4″	4000-6200mm 12″ ≈ 14″ 20″ ≈ 22″	3000-6000mm 10″ ≈ 20″	4000-6200mm 12″ ≈ 14″ 20″ ≈ 22″	4000-6200mm 12″ ≈ 14″ 20″ ≈ 22″	4000-6200mm 12″ ≈ 14″ 20″ ≈ 22″	4000-6200mm 12″ ≈ 14″ 20″ ≈ 22″
Bundle Weight	1000 Kg	1000 Kg One bar	One bar	500 Kg	1000 Kg	500 Kg	500 Kg

Le barre in acciaio inox sono adatte per molteplici tipologie di applicazioni. Le possiamo rifornire in forma tonda o esagonale.

Questo prodotto subisce diverse lavorazioni durante la fase produttiva che comprendono trasformazioni a caldo e a freddo. Nel primo caso, trattasi nello specifico di laminazione o forgiatura, mentre nel secondo caso si fa riferimento a ripulitura e trafilatura.

Nella fase finale di rifinitura e ripulitura meccanica vengono eliminati, inoltre, eventuali residui o difetti che potrebbero rimanere in superficie; questi passaggi contribuiscono a dare alle barre un aspetto esterno lucido.

Questa tipologia di barre viene realizzata attraverso le tradizionali categorie di **acciaio inox** (austenitico, ferritico e martensitico), ma anche utilizzando acciai speciali come **il duplex e il superduplex** ecc in grado di resistere a processi deformanti, alla corrosione, alle alte temperature e ad ambienti critici a contatto con sostanze aggressive.

Stainless steel bars are suitable for several kinds of applications and can be supplied in rounds and hexagons.

The production of the bars undergoes several processing steps including hot or cold transformations. In the first case, we refer to rolling and forging, while in the second case are peeling and cold drawing.

In addition, during the final production step, grinding and mechanical polishing allow you to eliminate some remaining defects on the surface and give the bars a bright appearance.

These kinds of bars are realized using the traditional kinds of **stainless steel** (austenitics, ferritic and martensitic) or special materials such us d**uplex, superduplex** etc. to withstand deformation, corrosion, high temperatures and critical aggressive environments.

Stainless Steel						
Steel Class	Grade	EN/DIN/UNI	W.N.	BS	SIS	AISI/ASTM/ASME
Austenitic grades	303/1	X8CrNiS 18-	1.4305	303S31	2346	303 8F B8F
	303K	X6CrNiCuS 18-9-2	1.4570			
	304R	X2CrNi 19-11	1.4306	304S12	2352	304 L
	F304	X5CrNi 18-10	1.4301	304S31	2333	304 B8
	304K	X3CrNiCu 18-9-4	1.4567	394S17		304 Cu
	F304L	X2CrNi 19-11	1.4306	304S12	2352	304 L
	F304L1	X2CrNi 18-9	1.4307	304S11	304 L	
	309Si	X15CrNiSi 20-12	1.4828	309S24		309
	F316	X5CrNiMo 17-12-2	1.4401	316S31	2347	316 8M B8M
	316K	X3CrNiCuMo 17-11-3-2	1.4578	396S17		
	F316L	X2CrNiMo 17-12-2	1.4404	316S11	2348	316L 8M B8M
	316LK		1.4427			
	316LM2	X2CrNiMo 18-14-3	1.4435	316S13	2353	316L
	316LM1	X2CrNiMo 18-14-3	1.4441	4341/B	2354	316L F138gr2
	316LM	X2CrNiMo 18-14-3	1.4435	316S13	2353	316L
	316R	X2CrNiMo 17-12-2	1.4404	316S12	2348	316L
	316T/1	X6CrNiMoTi 17-12-2	1.4571	320S31	2350	316Ti
	321/3	X6CrNiTi 18-10	1.4541	321S31		321
Martensitic grades	410/2	X12Cr13	1.4006	410S21	2302	410
	410/6	X12Cr13	1.4006	410S21	2302	410
	E415	X3CrNiMo 13-4	1.4313	425C12		F6NM
	415M	X4CrNiMo 16-5-1	1.4418		2387	
	416/1	X12CrS13	1.4005	416S21	2380	416
	420A/7	X20Cr13	1.4021	420S29	2303	420L
	420B/4	X30Cr13	1.4028	420S37	2304	420M
	420BF/2	X29CrS13	1.4029	416S37		420F
	420C	X39Cr13	1.4031	420S45		420H
	420C/1	X46Cr13	1.4034			
	420CF	X45CrS13	1.4035			
	420C/4	X46Cr13	1.4034			
	420D	X65Cr13	1.4037			
	420RM1	X39CrMo 17-1	1.4122			
	430F/3	X14CrMoS17	1.4104		2383	430F
	431/1	X17CrNi 16-2	1.4057	431S29	2321	431
	440B	X90CrMoV18	1.4112			440B
	440C/2	X105CrMo17	1.4125			440C
	616C	X20CrMoV 12-1	1.4922		2317	
	616	X20CrMoWV 12-1	1.4935			422
	430/1	X6Cr17	1.4016	430S17	2320	430
Ferritic grades	430F/6	X6CrMoS17	1.4105			430F
	434	X6CrMo171	1.4113	4344S17		434
	329/1	X3CrNiMoN 27-5-2	1.4460		2324	329
Duplex grades	329A	X2CrNiMoN 22-5-3	1.4462	318S13		F51 Cr22
	329S	X2CrNiMoCuWN 25-7-4	1.4501			F55
	329S/1	X2CrNiMoN 25-7-4	1.4410			F53 Cr25
Heat resisting grades	310/1	X8CrNi 25-21	1.4845	310S31	2361	310 S
	347	X6CrNiNb 18-10	1.4550	347S31	2338	347
	354	X1CrNiMoCuN 25-18-7	1.4547			F44
Precipitation hardening grades	630/3	X5CrNiCuNb 16-4	1.4542			
	SF286	X6NiCrTiMoVB 25-15-2	1.4980	286S31		660
Super alloy grades	904L	X1NiCrMoCu 25-20-5	1.4539	904S13	2652	904L