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**Liaocheng Dongchangfu District Wangke Metal Materials Co., Ltd.**  
Round Steel Manufacturer and Supplier, offering Scm20 st42 40cr, Liaocheng Dongchangfu District Wangke Metal Materials Co.

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**OD45mm SCM20 St42 40cr Chrome Plated Piston Rod**

Country of Origin: Shandong China (Mainland)  
Minimum Order: 5 Tons  
Price/Payment: US \$1,200 - 2,100 / Ton  
Production Capacity: 45000 Tons per Year sets

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**SAE-AISI 4140 (SCM440, 1.7225, 42CrMo4, G41400) Cr-Mo Steel ...**

<https://www.makeitfrom.com/> /SAE-AISI-4140-SCM440-1.7225 Traducir esta pagina  
SAE-AISI 4140 steel is an alloy steel formulated for primary forming into wrought products. 4140 is the designation in both the SAE and AISI systems for this material. 1.7225 is the EN numeric designation. And G41400 is the UNS number. The properties of SAE-AISI 4140 steel include three common variations. The property ...

**Names of tool steel**

Rolled steel for general structures	SS400	Steel	Structure	400N/mm <sup>2</sup>
Carbon steel for machinery structures	S45C	Steel	0.45%C	
Chrome molybdenum steel	SCM435	Steel	Cr Mo 435	
Nickel chrome molybdenum steel	SNCM220	Steel	Ni Cr Mo 220	
Carbon tool steel	SK105	Steel	Kogu (Tool)	105 types
	(Old SK3)			
Alloy tool steel	SKS3	Steel	Kogu (Tool)	Special 3 types
∕	SKD11	Steel	Kogu (Tool)	Dies 11 types
High speed tool steel	SKH51	Steel	Kogu (Tool)	High Speed 51 types
High carbon chrome bearing steel	SUJ2	Steel	Use Jikuuke (Bearing)	2 types
Stainless steel	SUS304	Steel	Use Stainless	304 types
Gray iron	FC250	Ferrum (Iron)	Cast	250N/mm <sup>2</sup>

SCMV 1	For boiler or pressure vessels (except low-temp use)	0.21 max	0.46-0.85	0.51-0.84	0.40-0.65	...	0.030 max	0.030 max	0.45 max	...	380-550 UTS; 225 min YS; 18 min EI
SCM 415 M	Cr-Mo steel.	0.13-0.18	0.90-1.20	0.60-0.85	0.15-0.30	0.25 max	0.030 max	0.030 max	0.15-0.35	Cu 0.30 max	170 min HV
SCM 415 (formerly SCM 21)	Cr-Mo steel for machine structural use.	0.13-0.18	0.90-1.20	0.60-0.85	0.15-0.30	0.25 max	0.030 max	0.030 max	0.15-0.35	Cu 0.30 max; Ni and Cu as impurities.	...
SCM 822 (formerly SCM 24)	Cr-Mo steel for machine structural use.	0.20-0.25	0.90-1.20	0.60-0.85	0.15-0.45	0.25 max	0.030 max	0.030 max	0.15-0.35	Cu 0.30 max; Ni and Cu as impurities.	...
SCM 415 H (SCM 21 H)	Cr-Mo steel	0.12-0.18	0.85-1.25	0.55-0.90	0.15-0.35	...	0.030 max	0.030 max	0.15-0.35	...	...
SCM 418 H	Cr-Mo steel	0.15-0.21	0.85-1.25	0.55-0.90	0.15-0.35	...	0.030 max	0.030 max	0.15-0.35	...	...
SCM 420 H (SCM 22 H)	Cr-Mo steel	0.17-0.23	0.85-1.25	0.55-0.90	0.15-0.45	...	0.030 max	0.030 max	0.15-0.35	...	...
SCM 822 H (SCM 24 H)	Cr-Mo steel.	0.19-0.25	0.85-1.25	0.55-0.90	0.35-0.45	...	0.030 max	0.030 max	0.15-0.35	...	...
SCCrM 1A (SCCrM 1-CF)	Centrifugal cast steel, general structural; normalize tempering.	0.20-0.30	0.80-1.20	0.50-0.80	0.15-0.35	...	0.040 max	0.040 max	0.30-0.60	...	590 min UTS; 390 min YS; 13 min EI; 170 min HB
SCCrM 1B (SCCrM 1-CF)	Centrifugal cast steel, general structural; quenching and tempering.	0.20-0.30	0.80-1.20	0.50-0.80	0.15-0.35	...	0.040 max	0.040 max	0.30-0.60	...	690 min UTS; 490 min YS; 13 min EI; 201 min HB
SPCL11 (SPCL 11-CF)	0.5% Mo steel for low-temp purpose, high pressure parts, (centrifugal cast steel pipe - CF)	0.25 max	0.35 max	0.50-0.80	0.45-0.65	...	0.040 max	0.040 max	0.60 max	Cu 0.50 max; Impurity elements Cu, Cr.	450 min UTS; 245 min YS; 21 min EI
SFVA F 11 A	Alloy steel forgings for pressure vessels for high-temp service.	0.20 max	1.00-1.50	0.30-0.80	0.45-0.65	...	0.030 max	0.030 max	0.50-1.00	...	480-660 UTS; 275 min YS; 18 min EI

Table 3 Chemical compositions of material SCM420 (wt%, O : ppm)

Material	C	Si	Mn	P	S	Cr	Mo	O
Range (JIS G4105)	0.17-0.23	0.15-0.25	0.55-0.90	<0.030	<0.030	0.85-1.25	0.15-0.35	-
Ordinary steel	0.22	0.31	0.84	0.019	0.013	1.21	0.15	8
Clean steel	0.21	0.25	0.85	0.012	0.003	1.18	0.15	5